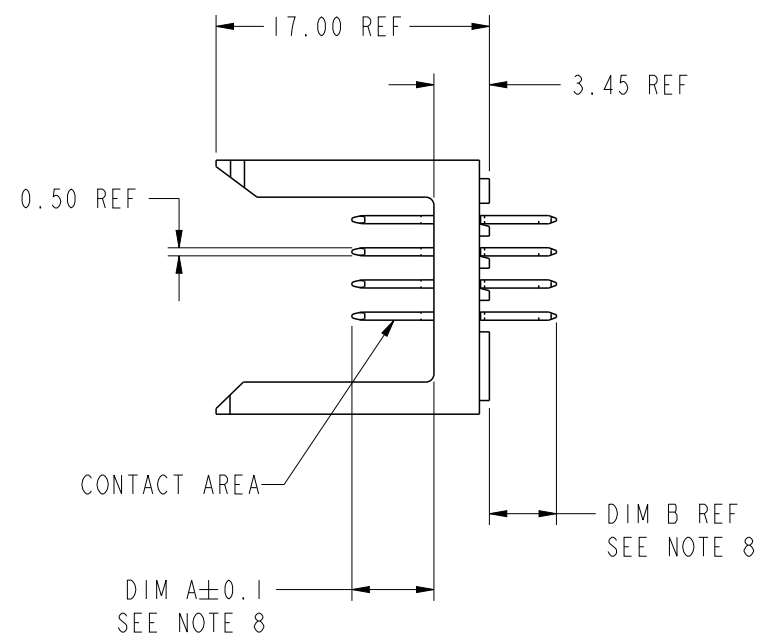
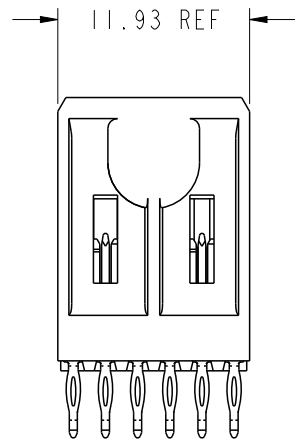
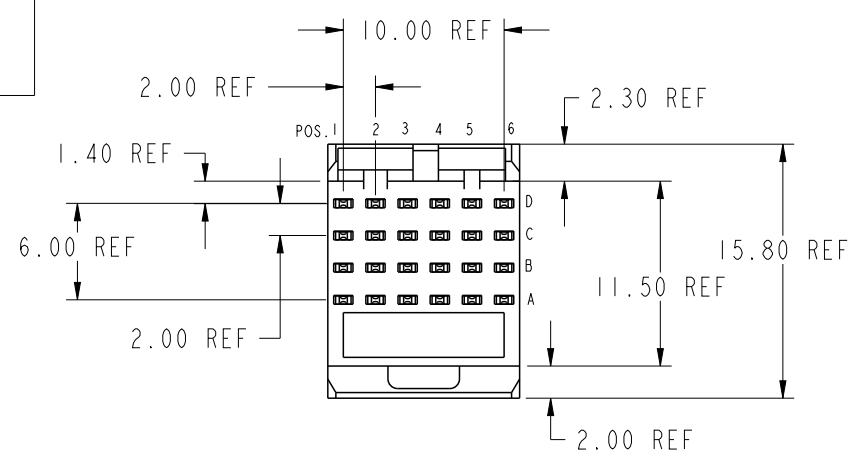




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|                                   |
|-----------------------------------|
| PRODUCT NUMBER                    |
| 89073-XXX<br>OR<br>89073-XXXX     |
| 89073-XXYLF<br>OR<br>89073-XXYYLF |

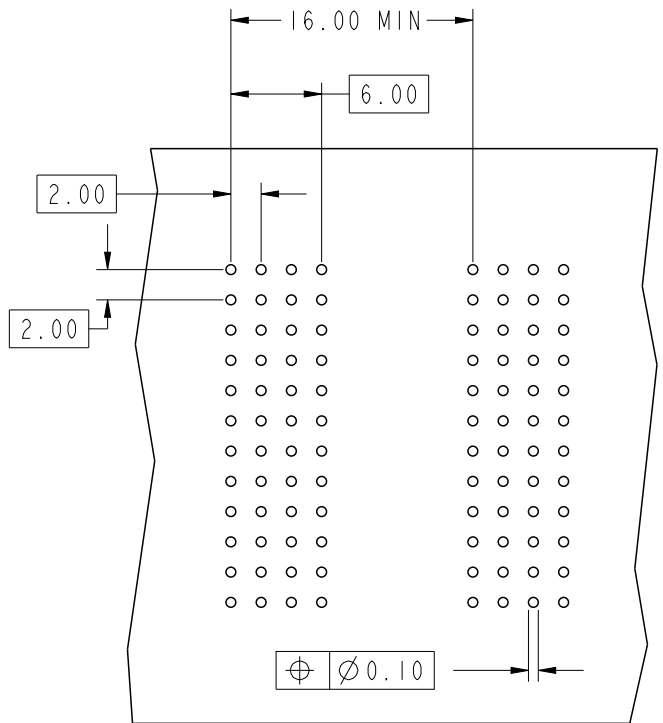


|               |                                       |      |                |            |                |                        |                        |                 |       |     |
|---------------|---------------------------------------|------|----------------|------------|----------------|------------------------|------------------------|-----------------|-------|-----|
| spec ref      | *                                     | dr   | Terran Huang   | 2010/07/08 | projection     | mm                     | size                   | A4              | scale | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng  | Terran Huang   | 2011/08/11 |                |                        | ecn no                 | ELX-DG-004963-1 |       |     |
|               |                                       | chr  | -              | -          |                |                        | rel level              | Released        |       |     |
|               |                                       | appr | Pei-Ming Zheng | 2011/08/11 | product family | METRAL                 |                        |                 |       |     |
| surface       | 3.200 linear                          |      |                |            | title          | METRAL SIGNAL HEADER   | dwg no                 | 89073           | rev   | CE  |
|               |                                       |      |                |            |                | I MOD, 4 ROW PRESS-FIT |                        |                 |       |     |
|               | angular                               | 0°   | ±2°            |            | cat. no.       | -                      | Product - Customer Drw | sheet 1 of 10   |       |     |

Print File - REV C - 2009-06-09

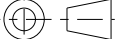


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REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE  
SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

| KEY  |                 |                 |
|------|-----------------|-----------------|
| CODE | DIMENSIONS      |                 |
|      | DIM "A"<br>MATE | DIM "B"<br>TAIL |
| 1    | 5.00            | 4.30            |
| 2    | 5.75            | 4.30            |
| 3    | 6.50            | 4.30            |
| 4    | 7.25            | 4.30            |
| 5    | 5.00            | 13.60           |
| 6    | 5.75            | 13.60           |
| 7    | 6.50            | 13.60           |
| 8    | 7.25            | 13.60           |
| 11   | 6.50            | 17.00           |
| 12   | 7.25            | 17.00           |
| 13   | 8.25            | 4.30            |
| 14   | 8.25            | 13.60           |
| 19   | 8.00            | 4.30            |
| 20   | 8.00            | 13.60           |
| 22   | 5.00            | 12.10           |
| 23   | 8.00            | 17.70           |
| 24   | 6.50            | 16.30           |
| 25   | 5.75            | 15.60           |
| 26   | 5.00            | 14.90           |

|                      |                                       |      |     |                                                      |            |                                                                                                     |                                                                                             |                        |               |      |       |
|----------------------|---------------------------------------|------|-----|------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------|---------------|------|-------|
| spec ref *           |                                       |      |     | dr Terran Huang 2010/07/08                           |            | projection<br> | mm<br> | size A4                | scale 2:1     |      |       |
| tolerance std        | TOLERANCES UNLESS OTHERWISE SPECIFIED |      |     | eng Terran Huang 2011/08/11                          |            |                                                                                                     |                                                                                             | ecn no ELX-DG-004963-1 |               |      |       |
|                      |                                       |      |     | chr - -                                              |            |                                                                                                     |                                                                                             | rel level Released     |               |      |       |
|                      |                                       |      |     | appr Pei-Ming Zheng 2011/08/11                       |            |                                                                                                     |                                                                                             | product family METRAL  |               |      |       |
| surface 3.200 linear | 0.X                                   | ±0.3 | FCi | title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |            |                                                                                                     |                                                                                             | dwg no 89073           | rev CE        |      |       |
|                      |                                       |      |     |                                                      |            |                                                                                                     |                                                                                             |                        |               | 0.XX | ±0.13 |
|                      |                                       |      |     |                                                      |            |                                                                                                     |                                                                                             |                        |               |      |       |
|                      | angular                               | 0°   | ±2° | www.fci.com                                          | cat. no. - |                                                                                                     | Product - Customer Drw                                                                      |                        | sheet 2 of 10 |      |       |



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A

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X01<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | - | - | - | 3 | 3 |
|                                                 | C   | -                      | - | - | - | 3 | 3 |
|                                                 | B   | -                      | - | - | - | 3 | 3 |
|                                                 | A   | -                      | - | - | - | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |    |   |   |   |
|-------------------------------------------------|-----|------------------------|---|----|---|---|---|
|                                                 |     | 1                      | 2 | 3  | 4 | 5 | 6 |
| 89073-X02<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 19 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3  | 3 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3  | 3 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3  | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |    |   |
|-------------------------------------------------|-----|------------------------|---|---|---|----|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5  | 6 |
| 89073-X03<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3  | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3  | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3  | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 19 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X04<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X05<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | - | 3 | - | 3 | - |
|                                                 | C   | 3                      | - | 4 | - | 2 | - |
|                                                 | B   | 3                      | - | 3 | - | 3 | - |
|                                                 | A   | 3                      | - | 3 | - | 3 | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X06<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 4 | 1 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X07<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | - |
|                                                 | C   | -                      | 1 | - | 1 | - | 1 |
|                                                 | B   | 1                      | - | 1 | - | 1 | - |
|                                                 | A   | -                      | 1 | - | 1 | - | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X08<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 3 | 2 | 2 |
|                                                 | C   | 1                      | 1 | 1 | 3 | 2 | 2 |
|                                                 | B   | 1                      | 1 | 1 | 3 | 2 | 2 |
|                                                 | A   | 1                      | 1 | 1 | 3 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X09<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 7 |
|                                                 | C   | 6                      | 6 | 6 | 6 | 6 | 7 |
|                                                 | B   | 6                      | 6 | 6 | 6 | 6 | 7 |
|                                                 | A   | 6                      | 6 | 6 | 6 | 6 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X10<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 3                      | 3 | 1 | 1 | 1 | 1 |
|                                                 | A   | 3                      | 3 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X11<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 22                     | 22 | 22 | 22 | 22 | 22 |
|                                                 | C   | 22                     | 22 | 22 | 22 | 22 | 22 |
|                                                 | B   | 22                     | 22 | 22 | 22 | 22 | 22 |
|                                                 | A   | 22                     | 22 | 22 | 22 | 22 | 22 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X12<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | - | - |
|                                                 | C   | 3                      | 3 | 3 | 3 | - | - |
|                                                 | B   | 3                      | 3 | 3 | 3 | - | - |
|                                                 | A   | 3                      | 3 | 3 | 3 | - | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X13<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | - | 3 | 3 | 3 | 3 |
|                                                 | C   | -                      | - | 3 | 3 | 3 | 3 |
|                                                 | B   | -                      | - | 3 | 3 | 3 | 3 |
|                                                 | A   | -                      | - | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X14<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | 1 | - | 1 | - | 1 |
|                                                 | C   | 1                      | - | 1 | - | 1 | - |
|                                                 | B   | -                      | 1 | - | 1 | - | 1 |
|                                                 | A   | 1                      | - | 1 | - | 1 | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X15<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 2 | 4 | 4 | 4 | 19 |
|                                                 | C   | 19                     | 3 | 4 | 4 | 4 | 4  |
|                                                 | B   | 19                     | 3 | 4 | 4 | 4 | 4  |
|                                                 | A   | 19                     | 3 | 1 | 4 | 4 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X16<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 3 | 4 | 3 | 3 |
|                                                 | C   | 4                      | 3 | 3 | 4 | 3 | 3 |
|                                                 | B   | 4                      | 3 | 3 | 4 | 3 | 3 |
|                                                 | A   | 4                      | 3 | 3 | 4 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X17<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | C   | 2                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 2                      | 3 | 3 | 1 | 1 | 1 |
|                                                 | A   | 2                      | 3 | 3 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X18<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | - |
|                                                 | C   | -                      | 2 | - | 1 | - | 3 |
|                                                 | B   | 1                      | - | 2 | - | 3 | - |
|                                                 | A   | -                      | 1 | - | 1 | - | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X19<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 2 | 2 | 1 | 1 | 1 |
|                                                 | C   | 1                      | 2 | 2 | 1 | 1 | 1 |
|                                                 | B   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |   |   |   |   |
|-------------------------------------------------|-----|------------------------|----|---|---|---|---|
|                                                 |     | 1                      | 2  | 3 | 4 | 5 | 6 |
| 89073-X20<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | 1 | 1 | 1 | 1 |
|                                                 | C   | 19                     | 19 | 1 | 1 | 1 | 1 |
|                                                 | B   | 19                     | 19 | 1 | 1 | 1 | 1 |
|                                                 | A   | 19                     | 19 | 1 | 1 | 1 | 1 |

|               |                                       |       |                |            |                |          |                        |                        |                 |        |               |     |    |
|---------------|---------------------------------------|-------|----------------|------------|----------------|----------|------------------------|------------------------|-----------------|--------|---------------|-----|----|
| spec ref      | *                                     | dr    | Terran Huang   | 2010/07/08 | projection     |          | mm                     | size                   | A4              | scale  | 1:1           |     |    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | Terran Huang   | 2011/08/11 |                |          |                        | ecn no                 | ELX-DG-004963-1 |        |               |     |    |
|               |                                       | chr   | -              | -          |                |          |                        | rel level              | Released        |        |               |     |    |
|               |                                       | appr  | Pei-Ming Zheng | 2011/08/11 | product family | METRAL   |                        |                        |                 |        |               |     |    |
| surface       | 3.200linear                           | 0.X   | ±0.3           |            | FCI            | title    | METRAL SIGNAL HEADER   |                        |                 | dwg no | 89073         | rev | CE |
|               |                                       | 0.XX  | ±0.13          |            |                |          | 1 MOD, 4 ROW PRESS-FIT |                        |                 |        |               |     |    |
|               |                                       | 0.XXX | ±.051          |            |                |          |                        |                        |                 |        |               |     |    |
|               | angular                               | 0°    | ±2°            |            | www.fci.com    | cat. no. | -                      | Product - Customer Drw |                 |        | sheet 3 of 10 |     |    |



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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X21<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                      | 5 | 5 | 5 | 5 | 5 |
|                                                 | C   | 7                      | 7 | 7 | 7 | 7 | 7 |
|                                                 | B   | 5                      | 5 | 5 | 5 | 5 | 5 |
|                                                 | A   | 5                      | 5 | 5 | 5 | 5 | 5 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X26<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 1 | 1 | 1 | 3 |
|                                                 | C   | 3                      | 1 | 1 | 1 | 1 | 3 |
|                                                 | B   | 3                      | 1 | 1 | 1 | 1 | 3 |
|                                                 | A   | 3                      | 1 | 1 | 1 | 1 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X31<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | C   | 7                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | B   | 7                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | A   | 7                      | 7 | 7 | 7 | 7 | 8 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X36<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 4 | 3 | 2 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X22<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 4 | 2 | 2 | 3 |
|                                                 | C   | 4                      | 3 | 4 | 2 | 2 | 3 |
|                                                 | B   | 4                      | 3 | 4 | 2 | 2 | 3 |
|                                                 | A   | 4                      | 3 | 4 | 1 | 4 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X27<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 4 | 4 | 3 | 3 |
|                                                 | C   | 19                     | 3 | 4 | 4 | 3 | 3 |
|                                                 | B   | 19                     | 3 | 4 | 4 | 3 | 3 |
|                                                 | A   | 19                     | 3 | 4 | 4 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X32<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 8 | 8 | 8 | 7 | 7 |
|                                                 | C   | 8                      | 8 | 8 | 8 | 7 | 7 |
|                                                 | B   | 8                      | 8 | 8 | 8 | 7 | 7 |
|                                                 | A   | 8                      | 8 | 8 | 8 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X37<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 7 | 7 | 8 | 7 | 7 |
|                                                 | C   | 8                      | 7 | 7 | 8 | 7 | 7 |
|                                                 | B   | 8                      | 7 | 7 | 8 | 7 | 7 |
|                                                 | A   | 8                      | 7 | 7 | 8 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X23<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | C   | 3                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 3                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | A   | 3                      | 1 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |    |    |   |   |
|-------------------------------------------------|-----|------------------------|---|----|----|---|---|
|                                                 |     | 1                      | 2 | 3  | 4  | 5 | 6 |
| 89073-X28<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 19 | 19 | 3 | 3 |
|                                                 | C   | 19                     | 3 | 19 | 19 | 3 | 3 |
|                                                 | B   | 19                     | 3 | 19 | 19 | 3 | 3 |
|                                                 | A   | 19                     | 3 | 19 | 19 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |    |    |   |   |
|-------------------------------------------------|-----|------------------------|---|----|----|---|---|
|                                                 |     | 1                      | 2 | 3  | 4  | 5 | 6 |
| 89073-X33<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 19 | 19 | 4 | 4 |
|                                                 | C   | 19                     | 3 | 19 | 19 | 4 | 4 |
|                                                 | B   | 19                     | 3 | 19 | 19 | 4 | 4 |
|                                                 | A   | 19                     | 3 | 19 | 19 | 4 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X38<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 2 | 2 | 2 | 2 |
|                                                 | C   | 3                      | 4 | 2 | 2 | 2 | 2 |
|                                                 | B   | 3                      | 4 | 2 | 2 | 2 | 2 |
|                                                 | A   | 3                      | 4 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X24<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 3 | 3 | 3 | 1 |
|                                                 | C   | 19                     | 3 | 3 | 3 | 3 | 1 |
|                                                 | B   | 19                     | 3 | 3 | 3 | 3 | 2 |
|                                                 | A   | 19                     | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X29<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 3 | 3 | 3 | 19 |
|                                                 | C   | 2                      | 3 | 3 | 3 | 3 | 19 |
|                                                 | B   | 2                      | 3 | 3 | 3 | 3 | 19 |
|                                                 | A   | 2                      | 3 | 3 | 3 | 3 | 19 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X34<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | C   | 3                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 3                      | 2 | 2 | 2 | 1 | 2 |
|                                                 | A   | 3                      | 2 | 2 | 2 | 3 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |    |   |   |
|-------------------------------------------------|-----|------------------------|---|---|----|---|---|
|                                                 |     | 1                      | 2 | 3 | 4  | 5 | 6 |
| 89073-X39<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 19 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3  | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3  | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3  | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X25<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 3 | 3 | 3 | 19 |
|                                                 | C   | 19                     | 3 | 3 | 3 | 3 | 3  |
|                                                 | B   | 19                     | 3 | 3 | 3 | 3 | 3  |
|                                                 | A   | 19                     | 3 | 3 | 3 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X30<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 4 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 4 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 4 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X35<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | - | 3 | 3 | - |
|                                                 | C   | -                      | - | - | - | - | - |
|                                                 | B   | -                      | - | - | - | - | - |
|                                                 | A   | 3                      | 3 | - | 3 | 3 | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X40<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 4 | 3 | 2 | 2 |
|                                                 | C   | 3                      | 4 | 4 | 3 | 2 | 2 |
|                                                 | B   | 3                      | 4 | 4 | 3 | 2 | 2 |
|                                                 | A   | 3                      | 4 | 4 | 3 | 2 | 2 |

|               |                                       |       |                |             |                |                      |                        |                 |       |     |
|---------------|---------------------------------------|-------|----------------|-------------|----------------|----------------------|------------------------|-----------------|-------|-----|
| spec ref      | *                                     | dr    | Terran Huang   | 2010/07/08  | projection     |                      | size                   | A4              | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | Terran Huang   | 2011/08/11  |                |                      | ecn no                 | ELX-DG-004963-1 |       |     |
|               |                                       | chr   | -              | -           |                |                      | rel level              | Released        |       |     |
|               |                                       | appr  | Pei-Ming Zheng | 2011/08/11  | product family | METRAL               |                        |                 |       |     |
| surface       | 3.200linear                           | 0.X   | ±0.3           |             | title          | METRAL SIGNAL HEADER | dwg no                 | 89073           | rev   | CE  |
|               |                                       | 0.XX  | ±0.13          |             |                |                      |                        |                 |       |     |
|               |                                       | 0.XXX | ±.051          |             |                |                      |                        |                 |       |     |
|               | angular                               | 0°    | ±2°            | www.fci.com | cat. no.       | -                    | Product - Customer Drw | sheet 4 of 10   |       |     |



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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X41<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 2 | 3 | 3 | 3 |
|                                                 | C   | 2                      | 2 | 4 | 2 | 4 | 4 |
|                                                 | B   | 2                      | 2 | 4 | 4 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 4 | 2 | 4 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X42<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 4 | 1 | 1 | 1 | 1 |
|                                                 | C   | 1                      | 4 | 1 | 1 | 1 | 1 |
|                                                 | B   | 1                      | 4 | 1 | 1 | 1 | 1 |
|                                                 | A   | 1                      | 4 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X43<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 14                     | 14 | 14 | 14 | 14 | 14 |
|                                                 | C   | 14                     | 20 | 14 | 20 | 14 | 20 |
|                                                 | B   | 20                     | 20 | 20 | 20 | 20 | 20 |
|                                                 | A   | 14                     | 14 | 14 | 14 | 14 | 14 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X44<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 13                     | 13 | 13 | 13 | 13 | 13 |
|                                                 | C   | 13                     | 19 | 13 | 19 | 13 | 19 |
|                                                 | B   | 19                     | 19 | 19 | 19 | 19 | 19 |
|                                                 | A   | 13                     | 13 | 13 | 13 | 13 | 13 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X45<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | - | - | 1 | 1 |
|                                                 | C   | 1                      | 1 | - | - | 1 | 1 |
|                                                 | B   | 1                      | 1 | - | - | 1 | 1 |
|                                                 | A   | 1                      | 1 | - | - | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X46<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                     | 7 | 7 | 7 | 7 | 7 |
|                                                 | C   | 20                     | 7 | 7 | 7 | 7 | 7 |
|                                                 | B   | 20                     | 7 | 7 | 7 | 7 | 7 |
|                                                 | A   | 20                     | 7 | 7 | 7 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X47<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                     | 7 | 7 | 7 | 7 | 5 |
|                                                 | C   | 20                     | 7 | 7 | 7 | 7 | 5 |
|                                                 | B   | 20                     | 7 | 7 | 7 | 7 | 6 |
|                                                 | A   | 20                     | 7 | 7 | 7 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |    |   |   |   |
|-------------------------------------------------|-----|------------------------|---|----|---|---|---|
|                                                 |     | 1                      | 2 | 3  | 4 | 5 | 6 |
| 89073-X48<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                      | 5 | 20 | 5 | 5 | 5 |
|                                                 | C   | 5                      | 5 | 20 | 5 | 5 | 5 |
|                                                 | B   | 5                      | 5 | 20 | 5 | 5 | 5 |
|                                                 | A   | 5                      | 5 | 20 | 5 | 5 | 5 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X49<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 4 | 2 | 19 |
|                                                 | C   | 2                      | 2 | 4 | 4 | 2 | 19 |
|                                                 | B   | 2                      | 2 | 4 | 4 | 2 | 19 |
|                                                 | A   | 2                      | 2 | 4 | 4 | 2 | 19 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X50<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 6 | 6 | 6 | 6 |
|                                                 | C   | 7                      | 7 | 6 | 6 | 6 | 6 |
|                                                 | B   | 7                      | 7 | 6 | 6 | 6 | 6 |
|                                                 | A   | 7                      | 7 | 6 | 6 | 6 | 6 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X51<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 6 | 8 |
|                                                 | C   | 7                      | 7 | 7 | 7 | 6 | 8 |
|                                                 | B   | 7                      | 7 | 7 | 7 | 6 | 8 |
|                                                 | A   | 7                      | 7 | 7 | 7 | 6 | 8 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X52<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | C   | 8                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | B   | 8                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | A   | 8                      | 7 | 7 | 7 | 7 | 8 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X53<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 3 | 3 | 4 |
|                                                 | C   | 2                      | 2 | 4 | 3 | 3 | 4 |
|                                                 | B   | 2                      | 2 | 4 | 3 | 3 | 4 |
|                                                 | A   | 2                      | 2 | 4 | 3 | 3 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X54<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 3 | 3 | 4 |
|                                                 | C   | 2                      | 2 | 4 | 3 | 3 | 4 |
|                                                 | B   | 2                      | 2 | 4 | 3 | 3 | 4 |
|                                                 | A   | 2                      | 2 | 4 | 3 | 3 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X55<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 3 | 3 | 4 | 4 |
|                                                 | C   | 2                      | 3 | 3 | 3 | 4 | 4 |
|                                                 | B   | 2                      | 3 | 3 | 3 | 4 | 4 |
|                                                 | A   | 1                      | 3 | 3 | 3 | 4 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X56<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 2 | 4 | 4 |
|                                                 | C   | 3                      | 3 | 3 | 2 | 4 | 4 |
|                                                 | B   | 3                      | 3 | 3 | 2 | 4 | 4 |
|                                                 | A   | 3                      | 3 | 3 | 2 | 4 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X57<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 1 | 1 | 1 | 1 |
|                                                 | C   | 2                      | 3 | 1 | 1 | 1 | 1 |
|                                                 | B   | 2                      | 3 | 1 | 1 | 1 | 1 |
|                                                 | A   | 2                      | 3 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X58<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                      | 6 | 8 | 5 | 5 | 7 |
|                                                 | C   | 5                      | 6 | 8 | 5 | 5 | 7 |
|                                                 | B   | 5                      | 5 | 5 | 5 | 5 | 5 |
|                                                 | A   | 5                      | 5 | 5 | 5 | 5 | 5 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X59<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 6 | 8 | 7 | 7 | 7 |
|                                                 | C   | 7                      | 6 | 8 | 7 | 7 | 7 |
|                                                 | B   | 7                      | 7 | 7 | 7 | 7 | 7 |
|                                                 | A   | 7                      | 7 | 7 | 7 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X60<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 4 | 2 | 2 |
|                                                 | C   | 4                      | 2 | 2 | 4 | 2 | 2 |
|                                                 | B   | 4                      | 2 | 2 | 4 | 2 | 2 |
|                                                 | A   | 4                      | 2 | 2 | 4 | 2 | 2 |

|               |             |                                          |       |
|---------------|-------------|------------------------------------------|-------|
| spec ref      | *           | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED |       |
| tolerance std |             |                                          |       |
| surface       | 3.200linear |                                          |       |
|               | angular     |                                          |       |
|               |             | 0.X                                      | ±0.3  |
|               |             | 0.XX                                     | ±0.13 |
|               |             | 0.XXX                                    | ±.051 |
|               |             | 0°                                       | ±2°   |

|             |                |            |
|-------------|----------------|------------|
| dr          | Terran Huang   | 2010/07/08 |
| eng         | Terran Huang   | 2011/08/11 |
| chr         | -              | -          |
| appr        | Pei-Ming Zheng | 2011/08/11 |
| www.fci.com |                |            |

|                |                        |                        |                 |       |               |
|----------------|------------------------|------------------------|-----------------|-------|---------------|
| projection     | mm                     | size                   | A4              | scale | 1:1           |
| product family |                        | ecn no                 | ELX-DG-004963-1 |       |               |
|                |                        | rel level              | Released        |       |               |
| title          | METRAL SIGNAL HEADER   |                        |                 |       | rev           |
|                | 1 MOD, 4 ROW PRESS-FIT |                        |                 |       | CE            |
| cat. no.       | -                      | Product - Customer Drw |                 |       | sheet 5 of 10 |



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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X61<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 2 | 2 | 3 | 3 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X62<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 8 | 6 | 8 | 7 | 7 |
|                                                 | C   | 7                      | 8 | 6 | 8 | 7 | 7 |
|                                                 | B   | 7                      | 8 | 6 | 8 | 7 | 7 |
|                                                 | A   | 7                      | 8 | 6 | 8 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X63<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 2 | 2 | 1 | 2 | 2 |
|                                                 | C   | 1                      | 2 | 2 | 1 | 2 | 2 |
|                                                 | B   | 1                      | 2 | 2 | 1 | 2 | 2 |
|                                                 | A   | 1                      | 2 | 2 | 1 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X64<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 1 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 1 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 1 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 1 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X65<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 4 | 4 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 4 | 4 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 4 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X66<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 4 | 4 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 4 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X67<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 3 | 3 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 3 | 3 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 3 | 3 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X68<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 4 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X69<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 3 | 3 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 3 | 3 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 3 | 3 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X70<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4  | 4  | 4  | 4  | 4  |
|                                                 | C   | 19                     | 19 | 19 | 19 | 19 | 19 |
|                                                 | B   | 4                      | 4  | 4  | 4  | 4  | 4  |
|                                                 | A   | 19                     | 19 | 19 | 4  | 4  | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X71<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 3 | 2 | 4 | 2 |
|                                                 | C   | 2                      | 3 | 3 | 2 | 4 | 2 |
|                                                 | B   | 2                      | 3 | 3 | 2 | 4 | 2 |
|                                                 | A   | 2                      | 3 | 3 | 2 | 4 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X72<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | C   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | B   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | A   | 4                      | 2 | 2 | 2 | 2 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X73<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | - |
|                                                 | C   | -                      | 1 | - | 1 | - | 1 |
|                                                 | B   | 1                      | - | 1 | - | 1 | - |
|                                                 | A   | -                      | 1 | - | 1 | - | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X74<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 4                      | 4 | 4 | 3 | 3 | 3 |
|                                                 | B   | 4                      | 3 | 4 | 3 | 3 | 3 |
|                                                 | A   | 4                      | 4 | 4 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X75<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                     | 11 | 11 | 11 | 11 | 11 |
|                                                 | C   | 12                     | 12 | 12 | 11 | 11 | 11 |
|                                                 | B   | 12                     | 11 | 12 | 11 | 11 | 11 |
|                                                 | A   | 12                     | 12 | 12 | 11 | 11 | 11 |

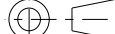
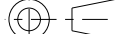
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X76<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 2 | 3 | 1 |
|                                                 | C   | 2                      | 1 | 1 | 2 | 2 | 1 |
|                                                 | B   | 2                      | 1 | 1 | 2 | 2 | 1 |
|                                                 | A   | 2                      | 1 | 1 | 2 | 2 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X77<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | C   | 1                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | B   | 1                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | A   | 1                      | 3 | 2 | 3 | 2 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X78<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 3 | 2 | 2 | 2 |
|                                                 | C   | 2                      | 2 | 3 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 3 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 3 | 2 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X79<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | C   | 2                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | B   | 2                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | A   | 2                      | 3 | 2 | 3 | 2 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X80<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |

|               |  |                                       |  |       |  |              |  |                                                                                     |  |            |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                 |  |       |  |        |  |     |  |           |  |
|---------------|--|---------------------------------------|--|-------|--|--------------|--|-------------------------------------------------------------------------------------|--|------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------|--|-------|--|--------|--|-----|--|-----------|--|
| spec ref      |  | *                                     |  | dr    |  | Terran Huang |  | 2010/07/08                                                                          |  | projection |  |  |  | mm                                                                                    |  |  |  | size            |  | A4    |  | scale  |  | 1:1 |  |           |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       |  | eng          |  | Terran Huang                                                                        |  | 2011/08/11 |  |  |  |  |  | ecn no                                                                                |  | ELX-DG-004963-1 |  |       |  |        |  |     |  |           |  |
|               |  |                                       |  |       |  | chr          |  | -                                                                                   |  | -          |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                 |  |       |  |        |  |     |  |           |  |
|               |  |                                       |  |       |  | appr         |  | Pei-Ming Zheng                                                                      |  | 2011/08/11 |  |                                                                                       |  |                                                                                       |  |                                                                                       |  | product family  |  |       |  | METRAL |  |     |  | rel level |  |
| surface       |  | 3.200 linear                          |  | 0.X   |  | ±0.3         |  |  |  | title      |  | METRAL SIGNAL HEADER                                                                  |  |                                                                                       |  |                                                                                       |  | dwg no          |  | 89073 |  |        |  |     |  | rev       |  |
|               |  |                                       |  | 0.XX  |  | ±0.13        |  |                                                                                     |  |            |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                 |  |       |  |        |  |     |  |           |  |
|               |  |                                       |  | 0.XXX |  | ±.051        |  |                                                                                     |  |            |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                 |  |       |  |        |  |     |  |           |  |
|               |  | angular                               |  | 0°    |  | ±2°          |  | www.fci.com                                                                         |  |            |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                 |  |       |  |        |  |     |  |           |  |



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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X81<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 4 | 2 | 2 | 4 | 2 |
|                                                 | C   | 2                      | 4 | 2 | 2 | 4 | 2 |
|                                                 | B   | 2                      | 4 | 2 | 2 | 4 | 2 |
|                                                 | A   | 2                      | 4 | 2 | 2 | 4 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X86<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 3 | 3 |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | A   | 1                      | 1 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X91<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 19                     | 3 | 3 | 2 | 3 | 3 |
|                                                 | B   | 19                     | 3 | 3 | 3 | 3 | 3 |
|                                                 | A   | 19                     | 3 | 1 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X96<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | - | 2 | - | 2 | 2 |
|                                                 | C   | -                      | 2 | - | 2 | - | 2 |
|                                                 | B   | 2                      | - | 2 | - | 2 | 2 |
|                                                 | A   | -                      | 2 | - | 2 | - | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X82<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 4 | 4 | 4 |
|                                                 | C   | 2                      | 2 | 4 | 2 | 2 | 4 |
|                                                 | B   | 2                      | 2 | 4 | 2 | 2 | 4 |
|                                                 | A   | 2                      | 2 | 4 | 2 | 2 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X87<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | - | 2 | 2 | 2 | - |
|                                                 | C   | 2                      | - | - | - | 2 | - |
|                                                 | B   | -                      | - | - | - | 2 | - |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X92<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 2 | 3 | 3 | 3 | 3 |
|                                                 | C   | 19                     | 3 | 3 | 3 | 3 | 3 |
|                                                 | B   | 19                     | 3 | 3 | 3 | 3 | 3 |
|                                                 | A   | 19                     | 3 | 1 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X97<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6 |
|                                                 | C   | 6                      | 6 | 6 | 6 | 6 | 6 |
|                                                 | B   | 6                      | 6 | 6 | 6 | 6 | 8 |
|                                                 | A   | 6                      | 6 | 6 | 6 | 6 | 6 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X83<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 4 | 4 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 4 | 4 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 4 | 4 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 4 | 4 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X88<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | - | 1 | 1 | 1 |
|                                                 | C   | -                      | - | - | 1 | 1 | 1 |
|                                                 | B   | -                      | - | - | 1 | 1 | 1 |
|                                                 | A   | 1                      | - | - | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X93<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 26                     | 23 | 25 | 23 | 12 | 12 |
|                                                 | C   | 23                     | 23 | 25 | 23 | 12 | 12 |
|                                                 | B   | 24                     | 23 | 25 | 23 | 12 | 12 |
|                                                 | A   | 23                     | 23 | 25 | 23 | 12 | 12 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X98<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 7 | 7 | 6 | 8 | 8 |
|                                                 | C   | 6                      | 7 | 7 | 6 | 8 | 8 |
|                                                 | B   | 6                      | 7 | 7 | 6 | 8 | 8 |
|                                                 | A   | 6                      | 7 | 7 | 6 | 8 | 8 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X84<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | - |
|                                                 | C   | 1                      | 1 | - | 1 | - | 1 |
|                                                 | B   | 1                      | 1 | - | 1 | - | 1 |
|                                                 | A   | 1                      | 1 | - | 1 | - | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X89<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 2 | 2 |
|                                                 | C   | 3                      | 3 | 2 | 2 | 2 | 2 |
|                                                 | B   | 3                      | 3 | 2 | 2 | 2 | 2 |
|                                                 | A   | 3                      | 3 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X94<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 1 | 1 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X99<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 4                      | 4 | 4 | 2 | 4 | 2 |
|                                                 | B   | 4                      | 3 | 4 | 2 | 4 | 2 |
|                                                 | A   | 3                      | 4 | 4 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X85<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1  | 1  | 3  | 3  | 3  |
|                                                 | C   | 19                     | 19 | 19 | 19 | 19 | 19 |
|                                                 | B   | 19                     | 19 | 19 | 19 | 19 | 19 |
|                                                 | A   | 19                     | 19 | 19 | 19 | 19 | 19 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X90<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 1 | 19 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 2 | 19 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 19 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 19 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X95<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | 1 |
|                                                 | C   | -                      | 1 | - | 1 | - | 1 |
|                                                 | B   | 1                      | - | 1 | - | 1 | 1 |
|                                                 | A   | -                      | 1 | - | 1 | - | 1 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X100<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 2 | 4 |
|                                                  | C   | 4                      | 4 | 4 | 4 | 2 | 4 |
|                                                  | B   | 4                      | 4 | 4 | 4 | 2 | 4 |
|                                                  | A   | 4                      | 4 | 4 | 4 | 2 | 4 |

|               |                                       |       |                |             |                                                      |        |                        |                 |       |        |
|---------------|---------------------------------------|-------|----------------|-------------|------------------------------------------------------|--------|------------------------|-----------------|-------|--------|
| spec ref      | *                                     | dr    | Terran Huang   | 2010/07/08  | projection                                           |        | size                   | A4              | scale | 1:1    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | Terran Huang   | 2011/08/11  |                                                      |        | ecn no                 | ELX-DG-004963-1 |       |        |
|               |                                       | chr   | -              | -           |                                                      |        | rel level              | Released        |       |        |
|               |                                       | appr  | Pei-Ming Zheng | 2011/08/11  | product family                                       | METRAL |                        |                 |       |        |
| surface       | 3.200linear                           | 0.X   | ±0.3           |             | title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |        |                        | dwg no 89073    |       | rev CE |
|               |                                       | 0.XX  | ±0.13          |             |                                                      |        |                        |                 |       |        |
|               |                                       | 0.XXX | ±.051          |             |                                                      |        |                        |                 |       |        |
|               | angular                               | 0°    | ±2°            | www.fci.com | cat. no.                                             | -      | Product - Customer Drw | sheet 7 of 10   |       |        |



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| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X101<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | C   | 2                      | 1 | 2 | 2 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 3                      | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5  |
| 89073-X102<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 8 | 8 | 6 | 20 |
|                                                  | C   | 6                      | 8 | 8 | 6 | 20 |
|                                                  | B   | 6                      | 8 | 8 | 6 | 20 |
|                                                  | A   | 6                      | 8 | 8 | 6 | 20 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5  |
| 89073-X103<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 4 | 4 | 2 | 19 |
|                                                  | C   | 2                      | 4 | 4 | 2 | 19 |
|                                                  | B   | 2                      | 4 | 4 | 2 | 19 |
|                                                  | A   | 2                      | 4 | 4 | 2 | 19 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X104<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | C   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | B   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | A   | 8                      | 6 | 6 | 6 | 6 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X105<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 1 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X106<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 |
|                                                  | C   | 4                      | 2 | 2 | 2 | 2 |
|                                                  | B   | 4                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 4                      | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X107<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 4 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X108<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 3 |
|                                                  | C   | 2                      | 2 | 2 | 2 | 3 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X109<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 3 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X110<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 3 | 2 | 4 |
|                                                  | C   | 2                      | 3 | 3 | 2 | 4 |
|                                                  | B   | 2                      | 3 | 3 | 2 | 4 |
|                                                  | A   | 2                      | 3 | 3 | 2 | 4 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X111<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 4 | 2 |
|                                                  | C   | 2                      | 2 | 4 | 4 | 2 |
|                                                  | B   | 2                      | 2 | 4 | 4 | 2 |
|                                                  | A   | 2                      | 2 | 4 | 4 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X112<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 3 | 2 | 2 |
|                                                  | C   | 4                      | 2 | 3 | 2 | 2 |
|                                                  | B   | 4                      | 3 | 2 | - | 2 |
|                                                  | A   | 4                      | 3 | 1 | - | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X113<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 2 | 2 | 3 |
|                                                  | C   | 3                      | 4 | 2 | 2 | 3 |
|                                                  | B   | 3                      | 4 | 2 | 2 | 3 |
|                                                  | A   | 3                      | 4 | 2 | 2 | - |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X114<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 8 | 6 | 6 |
|                                                  | C   | 6                      | 6 | 8 | 6 | 6 |
|                                                  | B   | 6                      | 6 | 8 | 6 | 6 |
|                                                  | A   | 6                      | 6 | 8 | 6 | 6 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X115<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | C   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | B   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | A   | 8                      | 6 | 6 | 6 | 6 |

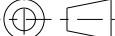
| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X116<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | 6 | 7 | 7 | 6 |
|                                                  | C   | -                      | 6 | 7 | 7 | 6 |
|                                                  | B   | -                      | 6 | 7 | 7 | 6 |
|                                                  | A   | -                      | 6 | 7 | 7 | 6 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |    |   |
|--------------------------------------------------|-----|------------------------|---|---|----|---|
|                                                  |     | 1                      | 2 | 3 | 4  | 5 |
| 89073-X117<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3  | 3 |
|                                                  | C   | 3                      | 3 | 3 | 19 | 3 |
|                                                  | B   | 3                      | 3 | 3 | 3  | 3 |
|                                                  | A   | 3                      | 3 | 3 | 3  | 3 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X118<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 3 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 3 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 3 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 3 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X119<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 2 | 2 |
|                                                  | C   | 3                      | 3 | 3 | 2 | 2 |
|                                                  | B   | 3                      | 3 | 3 | 2 | 2 |
|                                                  | A   | 3                      | 3 | 3 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X120<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 5 | 5 | 7 |
|                                                  | C   | 6                      | 6 | 6 | 6 | 7 |
|                                                  | B   | 6                      | 6 | 6 | 6 | 7 |
|                                                  | A   | 6                      | 6 | 6 | 6 | 7 |

|                                                                                                         |                                       |       |        |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |                    |
|---------------------------------------------------------------------------------------------------------|---------------------------------------|-------|--------|-------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------|--------------------|
| spec ref *                                                                                              |                                       |       |        | dr Terran Huang2010/07/08                                                           |                                                      | projection  | mm  | size A4                | scale 1:1          |
| tolerance std                                                                                           | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng Terran Huang2011/08/11                                                          |                                                      |                                                                                                  |                                                                                          | ecn no ELX-DG-004963-1 | rel level Released |
|                                                                                                         |                                       |       |        | chr - -                                                                             |                                                      |                                                                                                  |                                                                                          |                        |                    |
|                                                                                                         |                                       |       |        | appr Pei-Ming Zheng2011/08/11                                                       |                                                      | product family METRAL                                                                            |                                                                                          |                        |                    |
| surface 3.200linear  | linear                                | 0.X   | ±0.3   |  | title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT | dwg no 89073                                                                                     | rev CE                                                                                   |                        |                    |
|                                                                                                         |                                       | 0.XX  | ±0.13  |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |                    |
|                                                                                                         |                                       | 0.XXX | ±0.051 |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |                    |
|                                                                                                         | angular                               | 0°    | ±2°    | www.fci.com                                                                         | cat. no. -                                           | Product - Customer Drw                                                                           |                                                                                          | sheet 8 of 10          |                    |



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A

B

C

D

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X121<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 4 | 3 | 4 | 2 |
|                                                  | C   | 3                      | 3 | 4 | 3 | 4 | 2 |
|                                                  | B   | 3                      | 3 | 4 | 3 | 4 | 2 |
|                                                  | A   | 3                      | 3 | 4 | 3 | 4 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X122<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 2 | 4 | 2 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 4 | 4 | 4 |
|                                                  | B   | 4                      | 4 | 2 | 4 | 2 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 4 | 4 | 4 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X123<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 2 | 2 | 2 | 2 |
|                                                  | C   | 2                      | 3 | 2 | 2 | 2 | 2 |
|                                                  | B   | 2                      | 3 | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 3 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X124<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 2 | 3 | 2 | 2 |
|                                                  | C   | 2                      | 3 | 2 | 3 | 2 | 2 |
|                                                  | B   | 2                      | 3 | 2 | 3 | 2 | 2 |
|                                                  | A   | 2                      | 3 | 2 | 3 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X125<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 3 | 3 | 3 | 4 |
|                                                  | C   | 4                      | 3 | 3 | 3 | 3 | 4 |
|                                                  | B   | 4                      | 3 | 3 | 3 | 3 | 4 |
|                                                  | A   | 4                      | 3 | 3 | 3 | 3 | 4 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X126<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 | 2 |
|                                                  | C   | 4                      | 2 | 2 | 2 | 2 | 2 |
|                                                  | B   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                  | A   | 4                      | 2 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|--------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                  |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X127<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 25                     | 23 | 23 | 23 | 23 | 23 |
|                                                  | C   | 23                     | 23 | 23 | 23 | 23 | 23 |
|                                                  | B   | 23                     | 23 | 23 | 23 | 23 | 23 |
|                                                  | A   | 23                     | 23 | 23 | 23 | 23 | 23 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X128<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 1 | 1 | 1 | 1 |
|                                                  | C   | 3                      | 2 | 1 | 1 | 1 | 1 |
|                                                  | B   | 3                      | 2 | 1 | 1 | 1 | 1 |
|                                                  | A   | 3                      | 2 | 1 | 1 | 1 | 1 |

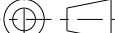


A

B

C

D

|                                                                                                             |                                       |       |        |                                                                                     |                                                         |                                                                                                     |                                                                                             |                        |           |               |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------|-----------|---------------|
| spec ref *                                                                                                  |                                       |       |        | dr Terran Huang 2010/07/08                                                          |                                                         | projection<br> | mm<br> | size A4                | scale 1:1 |               |
| tolerance std                                                                                               | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng Terran Huang 2011/08/11                                                         |                                                         |                                                                                                     |                                                                                             | ecn no ELX-DG-004963-1 |           |               |
|                                                                                                             |                                       |       |        | chr - -                                                                             |                                                         |                                                                                                     |                                                                                             | rel level Released     |           |               |
|                                                                                                             |                                       |       |        | appr Pei-Ming Zheng 2011/08/11                                                      |                                                         | product family METRAL                                                                               |                                                                                             |                        |           |               |
| surface 3.200 linear<br> | linear                                | 0.X   | ±0.3   |  | title<br>METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT | dwg no<br>89073                                                                                     | rev<br>CE                                                                                   |                        |           |               |
|                                                                                                             |                                       | 0.XX  | ±0.13  |                                                                                     |                                                         |                                                                                                     |                                                                                             |                        |           |               |
|                                                                                                             |                                       | 0.XXX | ±0.051 |                                                                                     |                                                         |                                                                                                     |                                                                                             |                        |           |               |
|                                                                                                             | angular                               | 0°    | ±2°    | www.fci.com                                                                         | cat. no. -                                              |                                                                                                     | Product - Customer Drw                                                                      |                        |           | sheet 9 of 10 |



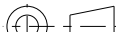
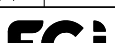
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#### NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:  
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:  
55422 -XYX IS SnPb  
55422 -XYLF IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN  
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXP OR XXXXX-XXXXP,  
XXXXX-XXXPLF OR XXXXX-XXXXPLF
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
- A PLATING HAS Au FLASH IN PRESS FIT  
AREA (LEAD FREE).
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.  
  
ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-NI--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-NI---  
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR  
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 89073-X0ILF

#### PLATING IN CONTACT AREA

| DASH NUMBER       | PERFORMANCE LEVEL                 | NOTES       |
|-------------------|-----------------------------------|-------------|
| -Ayy OR -AYyy     | TELCORDIA CO                      | SEE NOTE 9  |
| -NIyy OR -NIyyy   | TELCORDIA CO (NXT)                | -           |
| -N5yy OR N5yyy    | TELCORDIA UE (NXT)                | -           |
| -Iyy OR -Iyyy     | TELCORDIA CO                      | -           |
| -2yy OR -2yyy     | TELECOM CLASS                     | -           |
| -3yy OR -3yyy     | IEC CLASS I                       | -           |
| -5yy OR -5yyy     | TELCORDIA UE                      | -           |
| -9yy OR -9yyy     | TELCORDIA CO                      | -           |
| -AYyLF OR -AYyyLF | TELCORDIA CO                      | SEE NOTE 10 |
| -NIyLF OR -NIyyLF | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -N5yLF OR N5yyLF  | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -IyLF OR -IyyLF   | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2yLF OR -2yyLF   | TELECOM CLASS                     | SEE NOTE 10 |
| -5yLF OR -5yyLF   | TELCORDIA UE                      | SEE NOTE 10 |

|               |                                       |       |       |                                                                                     |                |                                                |                                                                                                     |                                                                                             |           |                 |                |          |     |    |
|---------------|---------------------------------------|-------|-------|-------------------------------------------------------------------------------------|----------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|-----------------|----------------|----------|-----|----|
| spec ref      |                                       | *     |       | dr                                                                                  | Terran Huang   | 2010/07/08                                     | projection<br> | mm<br> | size      | A4              | scale          | 53:50    |     |    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng                                                                                 | Terran Huang   | 2011/08/11                                     |                                                                                                     |                                                                                             | ecn no    | ELX-DG-004963-1 |                |          |     |    |
|               |                                       |       |       | chr                                                                                 | -              | -                                              |                                                                                                     |                                                                                             | rel level |                 |                | Released |     |    |
|               |                                       |       |       | appr                                                                                | Pei-Ming Zheng | 2011/08/11                                     | product family                                                                                      |                                                                                             | METRAL    |                 |                |          |     |    |
| surface       | 3.200 linear                          | 0.X   | ±0.3  |  | title          | METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |                                                                                                     |                                                                                             |           | dwg no          | 89073          |          | rev | CP |
|               |                                       | 0.XX  | ±0.13 |                                                                                     |                |                                                |                                                                                                     |                                                                                             |           |                 |                |          |     |    |
|               |                                       | 0.XXX | ±.051 |                                                                                     |                |                                                |                                                                                                     |                                                                                             |           |                 |                |          |     |    |
|               | angular                               | 0°    | ±2°   | www.fci.com                                                                         | cat. no.       | -                                              | Product - Customer Drw                                                                              |                                                                                             |           |                 | sheet 10 of 10 |          |     |    |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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