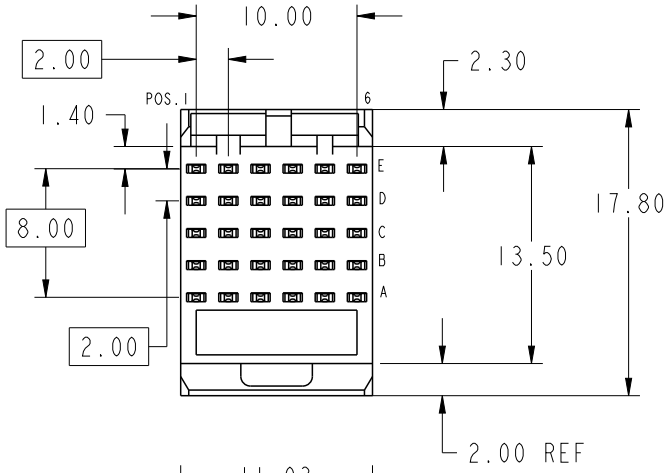
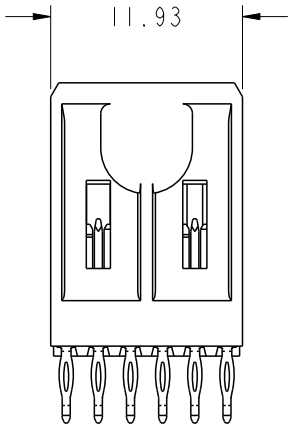
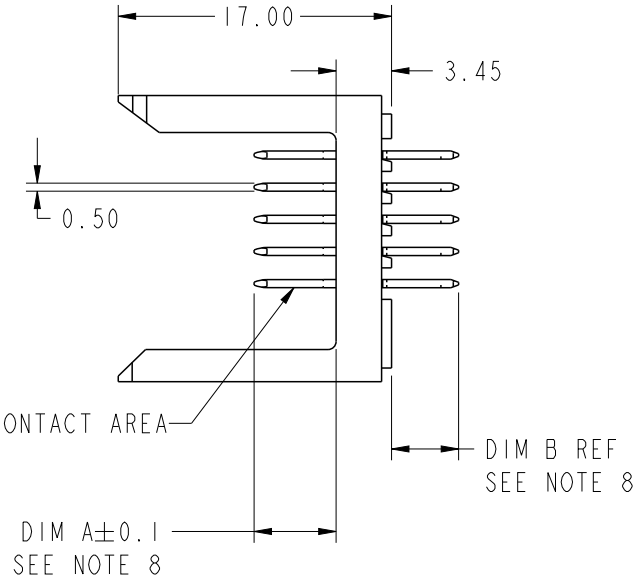
| PRODUCT NUMBER |
|---|
| 89006-XYY |
| 89006-XYYLF |




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | * | | | dr | Terran Huang | 2010/07/08 | projection |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Michael Song | 2014/12/02 | mm |
| ISO 406 ISO 1101 | | | | chr | Tian-Zhao Lin | 2014/12/03 | size A4 / scale 2:1 |
| | | | | appr | Collins Lu | 2014/12/03 | ecn no ELX-DG-19567-1 |
| surface 3.200 ISO 1302 | linear | 0.X | ±0.3 | | | | product family METRAL / rel level Released |
| | | 0.XX | ±0.13 | | | | |
| | | 0.XXX | ±.050 | | | | |
| | angular | 0° | ±2° | | | | |

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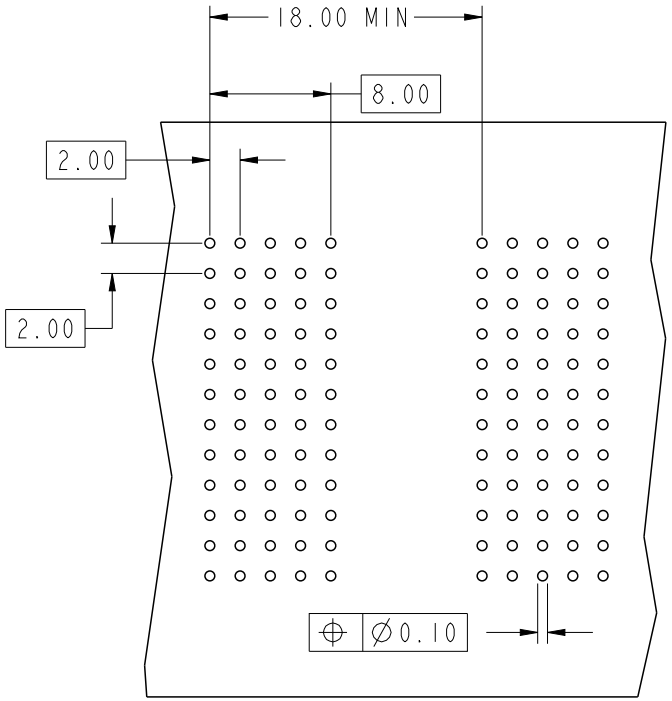
title: METRAL SIGNAL HEADER
1 MOD, 5 ROW PRESS-FIT

dwg no 89006 | rev BF

cat. no. - | Product - Customer Drw | sheet 1 of 9

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

| KEY | | |
|---|---|---|
| CODE | DIMENSIONS | |
| | DIM "A" MATE | DIM "B" 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 |
| 9 | 5.00 | 17.00 |
| 10 | 5.75 | 17.00 |
| 11 | 6.50 | 17.00 |
| 12 | 7.25 | 17.00 |
| 13 | 8.25 | 4.30 |
| 14 | 8.25 | 13.60 |
| 15 | 8.25 | 17.00 |
| 16 | 7.00 | 4.30 |
| 17 | 7.00 | 13.60 |
| 18 | 7.00 | 17.00 |
| 19 | 8.00 | 4.30 |
| 20 | 8.00 | 13.60 |
| 21 | 8.00 | 17.00 |
| 59 | 5.00 | 11.80 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | * | | | dr | Terran Huang | 2010/07/08 | projection |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Michael Song | 2014/12/02 | mm |
| ISO 406 ISO 1101 | | | | chr | Tian-Zhao Lin | 2014/12/03 | size A4 / scale 2:1 |
| | | | | appr | Collins Lu | 2014/12/03 | ecn no ELX-DG-19567-1 |
| surface 3.200 | linear | 0.X | ±0.3 | | | | product family METRAL / rel level Released |
| | | 0.XX | ±0.13 | | | | |
| | | 0.XXX | ±.050 | | | | |
| ISO 1302 | angular | 0° | ±2° | | | | |

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title: METRAL SIGNAL HEADER
1 MOD, 5 ROW PRESS-FIT

dwg no 89006 rev BF

cat. no. - Product - Customer Drw sheet 2 of 9

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Pro/E File - REV C - 2009-06-09

PDS: Rev :BF STATUS:Released Printed: Dec 03, 2014

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X10 SEE NOTE 10 LEAD FREE OPTION | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X14 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 4 | 4 | 4 | 4 | 4 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X19 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 4 | 4 | 4 | 4 | 4 |
| | D | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X23 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 8 | 8 | 8 | 8 | 8 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X27 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X32 SEE NOTE 10 LEAD FREE OPTION | E | 12 | 12 | 12 | 12 | 12 | 12 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 9 | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X11 SEE NOTE 10 LEAD FREE OPTION | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | 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 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X15 SEE NOTE 10 LEAD FREE OPTION | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X20 SEE NOTE 10 LEAD FREE OPTION | E | 5 | 5 | 5 | 5 | 5 | 5 |
| | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X24 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 8 | 8 | 8 | 8 | 8 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X29 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 8 | 8 | 8 | 8 | 8 |
| | D | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X33 SEE NOTE 10 LEAD FREE OPTION | E | 12 | 12 | 12 | 12 | 12 | 12 |
| | D | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X12 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 4 | 4 | 4 | 4 | 4 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X16 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X21 SEE NOTE 10 LEAD FREE OPTION | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X25 SEE NOTE 10 LEAD FREE OPTION | E | 5 | 5 | 5 | 5 | 5 | 5 |
| | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X30 SEE NOTE 10 LEAD FREE OPTION | E | 9 | 9 | 9 | 9 | 9 | 9 |
| | D | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 9 | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X34 SEE NOTE 10 LEAD FREE OPTION | E | 12 | 12 | 12 | 12 | 12 | 12 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X13 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 4 | 4 | 4 | 4 | 4 |
| | D | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X17 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X22 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 8 | 8 | 8 | 8 | 8 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X26 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X31 SEE NOTE 10 LEAD FREE OPTION | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X35 SEE NOTE 10 LEAD FREE OPTION | E | 9 | 9 | 9 | 9 | 9 | 9 |
| | D | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | * | | | dr | Terran Huang | 2010/07/08 | projection |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Michael Song | 2014/12/02 | mm |
| ISO 406 ISO 1101 | | | | chr | Tian-Zhao Lin | 2014/12/03 | size A4 / scale 1:1 |
| | | | | appr | Collins Lu | 2014/12/03 | ecn no ELX-DG-19567-1 |
| | | | | | | | product family METRAL / rel level Released |
| surface 3.2 | linear | 0.X | ±0.3 | FCI | title | METRAL SIGNAL HEADER | dwg no 89006 / rev BF |
| ISO 1302 | | 0.XX | ±0.13 | | | 1 MOD, 5 ROW PRESS-FIT | |
| | | 0.XXX | ±.050 | | | | |
| | angular | 0° | ±2° | www.fci.com | cat. no. - | Product - Customer Drw | sheet 3 of 9 |

Pro/E File - REV C - 2009-06-09

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X36 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X41 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X45 SEE NOTE 10 LEAD FREE OPTION | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 19 | 19 | 19 | 19 | 19 | 19 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X49 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 4 | 4 | 4 | 4 | 4 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X53 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X57 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X37 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X42 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X46 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X50 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X54 SEE NOTE 10 LEAD FREE OPTION | E | 5 | 5 | 5 | 5 | 5 | 5 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X58 SEE NOTE 10 LEAD FREE OPTION | E | 20 | 20 | 20 | 20 | 20 | 20 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 20 | 20 | 20 | 20 | 20 | 20 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X39 SEE NOTE 10 LEAD FREE OPTION | E | 12 | 12 | 12 | 12 | 12 | 12 |
| | D | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X43 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X47 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X51 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X55 SEE NOTE 10 LEAD FREE OPTION | E | 5 | 5 | 5 | 5 | 5 | 5 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X59 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 8 | 8 | 8 | 8 | 8 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X40 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X44 SEE NOTE 10 LEAD FREE OPTION | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X48 SEE NOTE 10 LEAD FREE OPTION | E | 19 | 19 | 19 | 19 | 19 | 19 |
| | D | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 19 | 19 | 19 | 19 | 19 | 19 |
| | B | 19 | 19 | 19 | 19 | 19 | 19 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X52 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X56 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X60 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 |

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| | | | |
|---|---|---|---|
| spec ref | * | | |
| tolerance std | ISO 406 ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED | |
| surface | 3.200 | linear | 0.X ±0.3 |
| | | | 0.XX ±0.13 |
| | | | 0.XXX ±.050 |
| | ISO 1302 | angular | 0° ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Michael Song | 2014/12/02 |
| chr | Tian-Zhao Lin | 2014/12/03 |
| appr | Collins Lu | 2014/12/03 |

| | |
|---|---|
| projection | |
| mm | |
| product family | METRAL |
| size | A4 |
| scale | 1:1 |
| ecn no | ELX-DG-19567-1 |
| rel level | Released |

| | | | |
|---|---|---|---|
| www.fci.com | title | METRAL SIGNAL HEADER<br>1 MOD, 5 ROW PRESS-FIT | dwg no 89006 |
| | cat. no. | - Product - Customer Drw | sheet 4 of 9 |

rev BF

Pro/E File - REV C - 2009-06-09

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X61 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X65 SEE NOTE 10 LEAD FREE OPTION | E | 9 | 9 | 9 | 9 | 9 | 9 |
| | D | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 9 | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X69 SEE NOTE 10 LEAD FREE OPTION | E | 12 | 12 | 12 | 12 | 12 | 12 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X73 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 4 | 4 | 4 | 4 | 4 |
| | D | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 13 | 13 | 13 | 13 | 13 | 13 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X77 SEE NOTE 10 LEAD FREE OPTION | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X81 SEE NOTE 10 LEAD FREE OPTION | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X62 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X66 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X70 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X74 SEE NOTE 10 LEAD FREE OPTION | E | 13 | 13 | 13 | 13 | 13 | 13 |
| | D | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 13 | 13 | 13 | 13 | 13 | 13 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X78 SEE NOTE 10 LEAD FREE OPTION | E | 13 | 13 | 13 | 13 | 13 | 13 |
| | D | 16 | 16 | 16 | 16 | 16 | 16 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 16 | 16 | 16 | 16 | 16 | 16 |
| | A | 13 | 13 | 13 | 13 | 13 | 13 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X82 SEE NOTE 10 LEAD FREE OPTION | E | 20 | 20 | 20 | 20 | 20 | 20 |
| | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X63 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X67 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X71 SEE NOTE 10 LEAD FREE OPTION | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 19 | 19 | 19 | 19 | 19 | 19 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X75 SEE NOTE 10 LEAD FREE OPTION | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X79 SEE NOTE 10 LEAD FREE OPTION | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 19 | 19 | 19 | 19 | 19 | 19 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X83 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 8 | 8 | 8 | 8 | 8 |
| | D | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 14 | 14 | 14 | 14 | 14 | 14 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X64 SEE NOTE 10 LEAD FREE OPTION | E | 9 | 9 | 9 | 9 | 9 | 9 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 9 | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X68 SEE NOTE 10 LEAD FREE OPTION | E | 21 | 21 | 21 | 21 | 21 | 21 |
| | D | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 21 | 21 | 21 | 21 | 21 | 21 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X72 SEE NOTE 10 LEAD FREE OPTION | E | 19 | 19 | 19 | 19 | 19 | 19 |
| | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X76 SEE NOTE 10 LEAD FREE OPTION | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X80 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X84 SEE NOTE 10 LEAD FREE OPTION | E | 14 | 14 | 14 | 14 | 14 | 14 |
| | D | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 14 | 14 | 14 | 14 | 14 | 14 |

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| | | | |
|---|---|---|---|
| spec ref | * | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | |
| ISO 406 ISO 1101 | | | |
| surface 3.200 | linear | 0.X | ±0.3 |
| | | 0.XX | ±0.13 |
| | | 0.XXX | ±.050 |
| ISO 1302 | angular | 0° | ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Michael Song | 2014/12/02 |
| chr | Tian-Zhao Lin | 2014/12/03 |
| appr | Collins Lu | 2014/12/03 |

projection | mm | size A4 | scale 1:1

product family METRAL | ecn no ELX-DG-19567-1 | rel level Released

www.fci.com

title: METRAL SIGNAL HEADER
1 MOD, 5 ROW PRESS-FIT

dwg no 89006 | rev BF

cat. no. - | Product - Customer Drw | sheet 5 of 9

Pro/E File - REV C - 2009-06-09

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X85 | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 10 LEAD FREE OPTION | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X89 | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 10 LEAD FREE OPTION | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 17 | 17 | 17 | 17 | 17 | 17 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X93 | E | 12 | 12 | 12 | 12 | 12 | 12 |
| | D | 12 | 12 | 12 | 12 | 12 | 12 |
| SEE NOTE 10 LEAD FREE OPTION | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X97 | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 21 | 21 | 21 | 21 | 21 | 21 |
| SEE NOTE 10 LEAD FREE OPTION | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X101 | E | 1 | 1 | 4 | 4 | 4 | 4 |
| | D | 1 | 1 | 4 | 4 | 4 | 4 |
| SEE NOTE 10 LEAD FREE OPTION | C | 1 | 1 | 4 | 4 | 4 | 4 |
| | B | 1 | 1 | 4 | 4 | 4 | 4 |
| | A | 1 | 1 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X105 | E | 19 | 2 | 19 | 2 | 2 | 2 |
| | D | 19 | 2 | 19 | 2 | 2 | 2 |
| SEE NOTE 10 LEAD FREE OPTION | C | 19 | 2 | 19 | 2 | 2 | 2 |
| | B | 19 | 2 | 19 | 2 | 2 | 2 |
| | A | 19 | 2 | 19 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X86 | E | 5 | 5 | 5 | 5 | 5 | 5 |
| | D | 5 | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 10 LEAD FREE OPTION | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X90 | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 10 | 10 | 10 | 10 | 10 | 10 |
| SEE NOTE 10 LEAD FREE OPTION | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X94 | E | 15 | 15 | 15 | 15 | 15 | 15 |
| | D | 12 | 12 | 12 | 12 | 12 | 12 |
| SEE NOTE 10 LEAD FREE OPTION | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X98 | E | 15 | 15 | 15 | 15 | 15 | 15 |
| | D | 18 | 18 | 18 | 18 | 18 | 18 |
| SEE NOTE 10 LEAD FREE OPTION | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 18 | 18 | 18 | 18 | 18 | 18 |
| | A | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X102 | E | 19 | 2 | 19 | 2 | 2 | 2 |
| | D | 19 | 2 | 19 | 2 | 2 | 2 |
| SEE NOTE 10 LEAD FREE OPTION | C | 19 | 1 | 19 | 2 | 2 | 2 |
| | B | 19 | 2 | 19 | 2 | 2 | 2 |
| | A | 19 | 2 | 19 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X106 | E | 19 | 2 | 19 | 2 | 2 | 2 |
| | D | 19 | 2 | 19 | 2 | 2 | 1 |
| SEE NOTE 10 LEAD FREE OPTION | C | 19 | 2 | 19 | 2 | 2 | 2 |
| | B | 19 | 2 | 19 | 2 | 2 | 2 |
| | A | 19 | 2 | 19 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X87 | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 |
| SEE NOTE 10 LEAD FREE OPTION | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X91 | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 21 | 21 | 21 | 21 | 21 | 21 |
| SEE NOTE 10 LEAD FREE OPTION | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X95 | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 10 LEAD FREE OPTION | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X99 | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 10 LEAD FREE OPTION | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 18 | 18 | 18 | 18 | 18 | 18 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X103 | E | 2 | 2 | 2 | 19 | 2 | 2 |
| | D | 2 | 2 | 2 | 19 | 2 | 2 |
| SEE NOTE 10 LEAD FREE OPTION | C | 2 | 1 | 2 | 19 | 2 | 2 |
| | B | 2 | 19 | 19 | 19 | 2 | 2 |
| | A | 2 | 19 | 19 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X107 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 1 |
| SEE NOTE 10 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X88 | E | 14 | 14 | 14 | 14 | 14 | 14 |
| | D | 17 | 17 | 17 | 17 | 17 | 17 |
| SEE NOTE 10 LEAD FREE OPTION | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 17 | 17 | 17 | 17 | 17 | 17 |
| | A | 14 | 14 | 14 | 14 | 14 | 14 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X92 | E | 21 | 21 | 21 | 21 | 21 | 21 |
| | D | 9 | 9 | 9 | 9 | 9 | 9 |
| SEE NOTE 10 LEAD FREE OPTION | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X96 | E | 9 | 9 | 9 | 9 | 9 | 9 |
| | D | 9 | 9 | 9 | 9 | 9 | 9 |
| SEE NOTE 10 LEAD FREE OPTION | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X100 | E | 1 | 3 | 2 | 3 | 1 | 3 |
| | D | 1 | 3 | 2 | 3 | 1 | 3 |
| SEE NOTE 10 LEAD FREE OPTION | C | 1 | 3 | 2 | 3 | 1 | 3 |
| | B | 1 | 3 | 2 | 3 | 1 | 3 |
| | A | 1 | 3 | 2 | 3 | 1 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X104 | E | 19 | 2 | 2 | 2 | 2 | 2 |
| | D | 19 | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 10 LEAD FREE OPTION | C | 19 | 2 | 2 | 2 | 2 | 1 |
| | B | 19 | 2 | 2 | 2 | 2 | 2 |
| | A | 19 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X108 | E | 19 | 19 | 2 | 2 | 2 | 2 |
| | D | 19 | 19 | 2 | 1 | 2 | 2 |
| SEE NOTE 10 LEAD FREE OPTION | C | 19 | 19 | 2 | 2 | 2 | 2 |
| | B | 19 | 19 | 2 | 2 | 2 | 2 |
| | A | 19 | 2 | 2 | 2 | 2 | 2 |

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|---|---|---|---|
| spec ref | * | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | |
| ISO 406 ISO 1101 | | | |
| surface 3.200 ISO 1302 | linear | 0.X | ±0.3 |
| | | 0.XX | ±0.13 |
| | | 0.XXX | ±.050 |
| | angular | 0° | ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Michael Song | 2014/12/02 |
| chr | Tian-Zhao Lin | 2014/12/03 |
| appr | Collins Lu | 2014/12/03 |

| | |
|---|---|
| projection | mm |
| product family | METRAL |
| size | A4 |
| scale | 1:1 |
| ecn no | ELX-DG-19567-1 |
| rel level | Released |

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title: METRAL SIGNAL HEADER
1 MOD, 5 ROW PRESS-FIT

| | | | |
|---|---|---|---|
| dwg no | 89006 | rev | BF |
| cat. no. | - | Product - Customer Drw | sheet 6 of 9 |

Pro/E File - REV C - 2009-06-09

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X109 SEE NOTE 10 LEAD FREE OPTION | E | 59 | 59 | 59 | 59 | 59 | 59 |
| | D | 59 | 59 | 59 | 59 | 59 | 59 |
| | C | 59 | 59 | 59 | 59 | 59 | 59 |
| | B | 59 | 59 | 59 | 59 | 59 | 59 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X113 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 5 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X117 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 8 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 8 | 6 | 6 | 6 | 6 |
| | A | 6 | 8 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X121 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 6 | 6 | 6 | 6 | 6 |
| | D | 8 | 6 | 6 | 6 | 6 | 6 |
| | C | 5 | 6 | 6 | 6 | 6 | 6 |
| | B | 8 | 6 | 6 | 6 | 6 | 6 |
| | A | 8 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X125 SEE NOTE 10 LEAD FREE OPTION | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 20 | 20 | 20 | 20 | 20 | 20 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X129 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 4 | 4 |
| | D | 2 | 2 | 2 | 2 | 4 | 4 |
| | C | 2 | 2 | 2 | 2 | 4 | 2 |
| | B | 2 | 2 | 2 | 2 | 4 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X110 SEE NOTE 10 LEAD FREE OPTION | E | 3 | 2 | 2 | 2 | 2 | 2 |
| | D | 3 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 2 | 2 | 2 | 2 | 2 |
| | B | 3 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X114 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 2 | 3 | 3 | 2 | 4 |
| | D | 4 | 2 | 3 | 3 | 2 | 4 |
| | C | 4 | 2 | 3 | 3 | 2 | 4 |
| | B | 4 | 2 | 3 | 3 | 2 | 4 |
| | A | 4 | 2 | 3 | 3 | 2 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X118 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 6 | 6 | 6 | 6 | 6 |
| | D | 8 | 6 | 6 | 6 | 6 | 6 |
| | C | 8 | 6 | 6 | 6 | 6 | 6 |
| | B | 8 | 6 | 6 | 6 | 6 | 6 |
| | A | 8 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X122 SEE NOTE 10 LEAD FREE OPTION | E | 3 | 3 | 3 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X126 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 4 | 2 | 2 |
| | D | 2 | 2 | 2 | 4 | 2 | 2 |
| | C | 2 | 2 | 2 | 4 | 2 | 2 |
| | B | 2 | 2 | 2 | 4 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X130 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X111 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 3 |
| | D | 2 | 2 | 2 | 2 | 2 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 3 |
| | B | 2 | 2 | 2 | 2 | 2 | 3 |
| | A | 2 | 2 | 2 | 2 | 2 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X115 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 1 | 2 | 2 |
| | D | 2 | 2 | 2 | 1 | 2 | 2 |
| | C | 2 | 2 | 2 | 1 | 2 | 2 |
| | B | 2 | 2 | 2 | 1 | 2 | 2 |
| | A | 1 | 2 | 2 | 1 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X119 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 1 | 2 | 2 | 2 | 2 | 2 |
| | B | 1 | 2 | 2 | 2 | 2 | 2 |
| | A | 1 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X123 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 19 | 19 | 19 | 19 | 19 | 19 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X127 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 4 | 2 | 2 | 2 |
| | D | 2 | 4 | 4 | 2 | 2 | 2 |
| | C | 2 | 4 | 4 | 2 | 2 | 2 |
| | B | 2 | 4 | 4 | 2 | 2 | 2 |
| | A | 2 | 2 | 4 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X131 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 6 | 6 | 8 | 6 | 6 |
| | D | 8 | 6 | 6 | 8 | 6 | 6 |
| | C | 8 | 8 | 8 | 8 | 5 | 6 |
| | B | 8 | 6 | 6 | 8 | 6 | 6 |
| | A | 8 | 6 | 6 | 8 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X112 SEE NOTE 10 LEAD FREE OPTION | E | 7 | 6 | 6 | 6 | 6 | 6 |
| | D | 7 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 6 | 6 | 6 | 6 | 6 |
| | B | 7 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X116 SEE NOTE 10 LEAD FREE OPTION | E | 5 | 6 | 6 | 6 | 6 | 6 |
| | D | 5 | 6 | 6 | 6 | 6 | 6 |
| | C | 5 | 6 | 6 | 6 | 6 | 6 |
| | B | 5 | 6 | 6 | 6 | 6 | 6 |
| | A | 5 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X120 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 4 |
| | D | 2 | 2 | 2 | 2 | 2 | 4 |
| | C | 2 | 2 | 2 | 2 | 2 | 4 |
| | B | 2 | 2 | 2 | 2 | 2 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X124 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 1 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X128 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 4 | 2 | 2 |
| | D | 2 | 2 | 2 | 4 | 4 | 2 |
| | C | 2 | 2 | 2 | 4 | 4 | 2 |
| | B | 2 | 2 | 2 | 4 | 4 | 2 |
| | A | 2 | 2 | 2 | 4 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X132 SEE NOTE 10 LEAD FREE OPTION | E | 8 | 6 | 7 | 6 | 6 | 6 |
| | D | 8 | 6 | 7 | 6 | 6 | 6 |
| | C | 5 | 6 | 6 | 8 | 6 | 6 |
| | B | 8 | 8 | 7 | 8 | 6 | 6 |
| | A | 8 | 8 | 7 | 8 | 6 | 6 |

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|---|---|---|---|
| spec ref | * | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | |
| ISO 406 ISO 1101 | | | |
| surface 3.200 | linear | 0.X | ±0.3 |
| | | 0.XX | ±0.13 |
| | | 0.XXX | ±.050 |
| ISO 1302 | angular | 0° | ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Michael Song | 2014/12/02 |
| chr | Tian-Zhao Lin | 2014/12/03 |
| appr | Collins Lu | 2014/12/03 |

| | |
|---|---|
| projection | mm |
| product family | METRAL |
| size | A4 |
| scale | 1:1 |
| ecn no | ELX-DG-19567-1 |
| rel level | Released |

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title: METRAL SIGNAL HEADER
1 MOD, 5 ROW PRESS-FIT

| | | | |
|---|---|---|---|
| dwg no | 89006 | rev | BF |
| cat. no. | - | Product - Customer Drw | sheet 7 of 9 |

Pro/E File - REV C - 2009-06-09

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X133 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 10 | C | 2 | 2 | 2 | 2 | 2 | 2 |
| LEAD FREE | B | 2 | 2 | 2 | 2 | 2 | 2 |
| OPTION | A | 2 | 2 | 1 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X137 | E | 2 | 2 | 2 | 3 | 3 | 2 |
| | D | 2 | 2 | 2 | 3 | 3 | 2 |
| SEE NOTE 10 | C | 2 | 2 | 2 | 3 | 3 | 2 |
| LEAD FREE | B | 2 | 2 | 2 | 3 | 3 | 2 |
| OPTION | A | 2 | 2 | 2 | 3 | 3 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X141 | E | 1 | 1 | 1 | 1 | 3 | 3 |
| | D | 1 | 1 | 1 | 1 | 3 | 3 |
| SEE NOTE 10 | C | 3 | 3 | 3 | 3 | 3 | 3 |
| LEAD FREE | B | 1 | 1 | 1 | 1 | 3 | 1 |
| OPTION | A | 1 | 1 | 1 | 1 | 3 | 1 |

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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X145 | E | 5 | 5 | 1 | 1 | 7 | 5 |
| | D | 5 | 5 | 1 | 1 | 7 | 5 |
| SEE NOTE 10 | C | 5 | 5 | 1 | 1 | 7 | 7 |
| LEAD FREE | B | 5 | 5 | 1 | 1 | 7 | 5 |
| OPTION | A | 5 | 5 | 1 | 1 | 7 | 5 |

BF

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X134 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 10 | C | 2 | 2 | 3 | 3 | 2 | 2 |
| LEAD FREE | B | 2 | 2 | 2 | 2 | 2 | 2 |
| OPTION | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X138 | E | 2 | 3 | 2 | 2 | 2 | 2 |
| | D | 2 | 3 | 2 | 2 | 2 | 2 |
| SEE NOTE 10 | C | 2 | 3 | 2 | 2 | 2 | 2 |
| LEAD FREE | B | 2 | 3 | 2 | 2 | 2 | 2 |
| OPTION | A | 2 | 2 | 2 | 2 | 2 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X142 | E | 2 | 2 | 2 | 3 | 3 | 3 |
| | D | 2 | 2 | 2 | 3 | 3 | 3 |
| SEE NOTE 10 | C | 2 | 2 | 2 | 3 | 3 | 3 |
| LEAD FREE | B | 2 | 2 | 2 | 3 | 3 | 3 |
| OPTION | A | 2 | 2 | 2 | 3 | 3 | 3 |

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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X135 | E | 2 | 3 | 2 | 2 | 2 | 2 |
| | D | 2 | 3 | 2 | 2 | 2 | 2 |
| SEE NOTE 10 | C | 2 | 3 | 2 | 2 | 2 | 2 |
| LEAD FREE | B | 2 | 3 | 2 | 2 | 2 | 2 |
| OPTION | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X139 | E | 59 | 59 | 11 | 6 | 6 | 11 |
| | D | 59 | 59 | 11 | 6 | 6 | 11 |
| SEE NOTE 10 | C | 59 | 59 | 11 | 6 | 6 | 11 |
| LEAD FREE | B | 59 | 59 | 11 | 6 | 6 | 11 |
| OPTION | A | 59 | 59 | 11 | 6 | 6 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X143 | E | 3 | 1 | 3 | 1 | 3 | 3 |
| | D | 3 | 1 | 3 | 1 | 3 | 3 |
| SEE NOTE 10 | C | 3 | 3 | 3 | 1 | 3 | 3 |
| LEAD FREE | B | 3 | 1 | 3 | 1 | 3 | 3 |
| OPTION | A | 3 | 1 | 3 | 1 | 3 | 3 |

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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X136 | E | 2 | 3 | 2 | 3 | 2 | 2 |
| | D | 2 | 3 | 2 | 3 | 2 | 2 |
| SEE NOTE 10 | C | 2 | 3 | 2 | 3 | 2 | 2 |
| LEAD FREE | B | 2 | 3 | 2 | 3 | 2 | 2 |
| OPTION | A | 2 | 3 | 2 | 3 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X140 | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 1 | 1 | 1 | 1 | 3 | 1 |
| SEE NOTE 10 | C | 1 | 1 | 1 | 1 | 1 | 1 |
| LEAD FREE | B | 1 | 1 | 1 | 1 | 1 | 1 |
| OPTION | A | 1 | 1 | 1 | 1 | 1 | 1 |

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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X144 | E | 7 | 5 | 5 | 5 | 5 | 5 |
| | D | 7 | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 10 | C | 7 | 5 | 5 | 5 | 5 | 5 |
| LEAD FREE | B | 7 | 5 | 5 | 5 | 5 | 5 |
| OPTION | A | 7 | 5 | 5 | 5 | 5 | 5 |

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|---|---|---|---|
| spec ref | * | | |
| tolerance std | ISO 406<br>ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED | |
| surface | 3.200 | linear | 0.X ±0.3 |
| | | | 0.XX ±0.13 |
| | | | 0.XXX ±.050 |
| | ISO 1302 | angular | 0° ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Michael Song | 2014/12/02 |
| chr | Tian-Zhao Lin | 2014/12/03 |
| appr | Collins Lu | 2014/12/03 |

projection | mm | size A4 | scale 1:1

ecn no ELX-DG-19567-1

product family METRAL | rel level **Released**

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title: METRAL SIGNAL HEADER
1 MOD, 5 ROW PRESS-FIT

dwg no 89006 | rev **BF**

cat. no. - | Product - Customer Drw | sheet 8 of 9

Pro/E File - REV C - 2009-06-09

| PRODUCT NUMBER |
|---|
| 89006-XYY |
| 89006-XYYLF |

NOTES:
1. FOR DIM A AND B SEE SHEET 2 AND UP.

2. BODY MATERIAL: LIQUID CRYSTAL

   POLYMER 30 % GLASS.
   FLAME RETARDANT ACC. UL 94-V0.

3. PIN MATERIAL:
   PHOSPHOR BRONZE.

4. PLATING ON PRESS-FIT TAIL:
   73931-XYY IS SnPb
   73931-XYYLF IS SN (LEAD FREE)
   PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
   LEVEL SHOWN IN TABLE BELOW.

5. PRODUCT MARKING:
   PART NUMBER DESIGNATION & BATCH I.D.

6. 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

7. PRODUCT SPECIFICATION GS-12-180
   APPLICATION SPECIFICATION BUS-20-073

(8.) AFTER INSERTION INTO CIRCUIT BOARD WITH
   QUALIFIED TOOL.

(9.) 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 MAXIMIM 140°C FOR
   NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

(10.) FOR LEAD FREE PART NUMBERS, ADD "LF" SUFFIX.
   EXAMPLE:89006-X01LF

(11.) -A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE)

12. A △BF SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
   WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

| PLATING IN CONTACT AREA | | |
|---|---|---|
| DASH NUMBER | PERFORMANCE LEVEL | NOTES |
| -AYY | TELCORDIA CO | SEE NOTE 11 |
| -PYY | 0.25 um GOLD MIN. | - |
| -NIYY | TELCORDIA CO (NXT) | - |
| -N5YY | TELCORDIA UE (NXT) | - |
| -1YY | TELCORDIA CO | - |
| -2YY | TELECOM CLASS | - |
| -3YY | IEC CLASS I | - |
| -5YY | TELCORDIA UE | - |
| -NIYY | TELCORDIA CO (NXT) IEC CLASS I | SEE NOTE 9 |
| -N5YYLF | TELCORDIA UE (NXT) | SEE NOTE 9 |
| -1YYLF | TELCORDIA CO IEC CLASS I | SEE NOTE 9 |
| -2YYLF | TELECOM CLASS | SEE NOTE 9 |
| -5YYLF | TELCORDIA UE | SEE NOTE 9 |

| | | | |
|---|---|---|---|
| spec ref | * | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | |
| ISO 406 ISO 1101 | | | |
| surface 3.200 ISO 1302 | linear | 0.X | ±0.3 |
| | | 0.XX | ±0.13 |
| | | 0.XXX | ±.050 |
| | angular | 0° | ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Michael Song | 2014/12/02 |
| chr | Tian-Zhao Lin | 2014/12/03 |
| appr | Collins Lu | 2014/12/03 |

projection | mm | size A4 | scale 1:1

ecn no ELX-DG-19567-1

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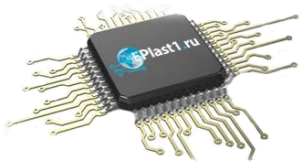
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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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