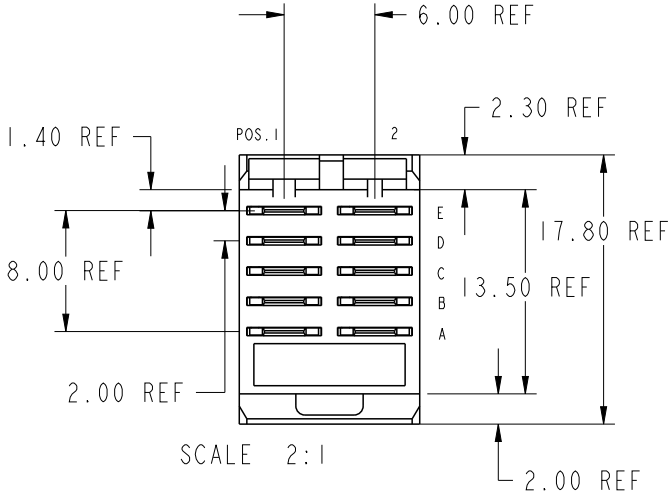
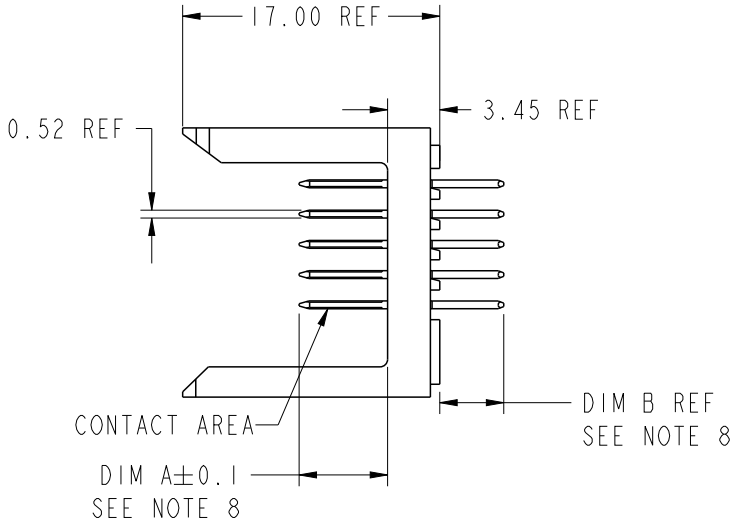
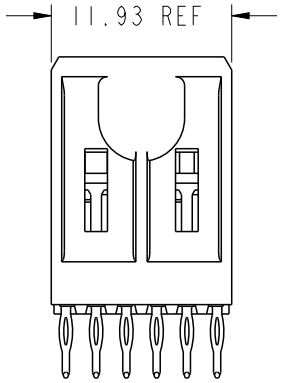
| PRODUCT NUMBER |
|---|
| 89099-XYY |
| 89099-XYYLF |




| PLATING IN CONTACT AREA | | |
|---|---|---|
| DASH NUMBER | PERFORMANCE LEVEL | NOTES |
| -1YY | TELCORDIA CO | - |
| -2YY | TELECOM CLASS | - |
| -3YY | IEC CLASS I | - |
| -5YY | TELCORDIA UE | - |
| -1YYLF | TELCORDIA CO<br>IEC CLASS I | SEE NOTE 9 |
| -2YYLF | TELECOM CLASS | SEE NOTE 9 |
| -5YYLF | TELCORDIA UE | SEE NOTE 9 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | * | | | dr | Terran Huang | 2010/07/08 | projection |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Andy Lu | 2013/10/22 | mm |
| ISO 406<br>ISO 1101 | | | | chr | Sun Richard | 2013/10/24 | size A4 / scale 2:1 |
| | | | | appr | Pei-Ming Zheng | 2013/10/24 | ecn no ELX-DG-16119-1 |
| surface 3.2 | linear | 0.X | ±0.3 | | | | product family METRAL / rel level Released |
| | | 0.XX | ±0.13 | | | | |
| ISO 1302 | | 0.XXX | ±0.051 | | | | |
| | angular | 0° | ±2° | | | | |

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

dwg no 89099 | rev AW

cat. no. - | Product - Customer Drw | sheet 1 of 6

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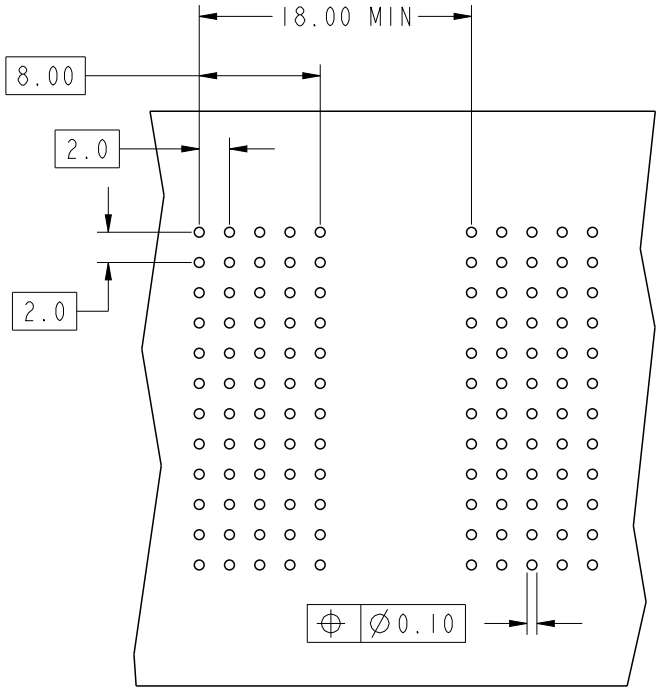
Pro/E File - REV C - 2009-06-09




SCALE 2:1

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR ADDITIONAL PCB INFORMATION.

| KEY | | |
|---|---|---|
| CODE | DIMENSIONS | |
| | DIM "A" MATE | DIM "B" TAIL |
| P01 | 6.50 | 4.30 |
| P02 | 7.25 | 4.30 |
| P03 | 8.00 | 4.30 |
| P04 | 6.50 | 13.60 |
| P05 | 7.25 | 13.60 |
| P06 | 8.00 | 13.60 |
| P07 | 6.50 | 17.00 |
| P08 | 7.25 | 17.00 |
| P09 | 8.00 | 17.00 |
| P16 | 5.00 | 4.30 |
| P17 | 5.75 | 4.30 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | * | | | dr | Terran Huang | 2010/07/08 | projection |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Andy Lu | 2013/10/22 | mm |
| ISO 406 ISO 1101 | | | | chr | Sun Richard | 2013/10/24 | size A4 / scale 2:1 |
| | | | | appr | Pei-Ming Zheng | 2013/10/24 | ecn no ELX-DG-16119-1 |
| surface 3.200 | linear | 0.X | ±0.3 | | | | product family METRAL / rel level Released |
| | | 0.XX | ±0.13 | | | | |
| | | 0.XXX | ±0.051 | | | | |
| ISO 1302 | angular | 0° | ±2° | www.fci.com | | | |

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

dwg no 89099 | rev AW

cat. no. - | Product - Customer Drw | sheet 2 of 6

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

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X01 | E | P16 | P16 |
| SEE NOTE 10 LEAD FREE OPTION | D | P16 | P16 |
| | C | P16 | P16 |
| | B | P16 | P16 |
| | A | P16 | P16 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X05 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P02 | P02 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X11 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P01 | P01 |
| | B | P01 | P01 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X15 | E | P02 | P02 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P02 | P02 |
| | B | P02 | P02 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X20 | E | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | D | P04 | P04 |
| | C | P05 | P05 |
| | B | P06 | P06 |
| | A | P05 | P05 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X02 | E | P16 | P16 |
| SEE NOTE 10 LEAD FREE OPTION | D | P16 | P16 |
| | C | P16 | P16 |
| | B | P16 | P16 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X06 | E | P17 | P17 |
| SEE NOTE 10 LEAD FREE OPTION | D | P17 | P17 |
| | C | P17 | P17 |
| | B | P17 | P17 |
| | A | P17 | P17 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X12 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P01 | P01 |
| | B | P03 | P03 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X16 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P02 | P02 |
| | B | P02 | P02 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X21 | E | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | D | P04 | P04 |
| | C | P04 | P04 |
| | B | P04 | P04 |
| | A | P04 | P04 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X03 | E | P17 | P17 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P17 | P17 |
| | B | P17 | P17 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X07 | E | P02 | P02 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P02 | P02 |
| | B | P02 | P02 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X13 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P02 | P02 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X17 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P01 | P01 |
| | B | P01 | P01 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X22 | E | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | D | P04 | P04 |
| | C | P04 | P04 |
| | B | P06 | P06 |
| | A | P04 | P04 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X04 | E | P17 | P17 |
| SEE NOTE 10 LEAD FREE OPTION | D | P17 | P17 |
| | C | P17 | P17 |
| | B | P02 | P02 |
| | A | P17 | P17 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X10 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P02 | P02 |
| | B | P03 | P03 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X14 | E | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | D | P03 | P03 |
| | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X18 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X23 | E | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | D | P04 | P04 |
| | C | P05 | P05 |
| | B | P06 | P06 |
| | A | P06 | P06 |

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| | | | |
|---|---|---|---|
| spec ref | * | | |
| tolerance std | ISO 406 ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED | |
| surface | 3.2 ISO 1302 | linear | 0.X ±0.3 |
| | | | 0.XX ±0.13 |
| | | | 0.XXX ±0.051 |
| | | angular | 0° ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Andy Lu | 2013/10/22 |
| chr | Sun Richard | 2013/10/24 |
| appr | Pei-Ming Zheng | 2013/10/24 |

projection | mm | size A4 | scale 1:1

product family METRAL | ecn no ELX-DG-16119-1 | rel level Released

www.fci.com

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

dwg no 89099 | rev AW

cat. no. - | Product - Customer Drw | sheet 3 of 6

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

PDS: Rev :AW STATUS:Released Printed: Oct 25, 2013

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X24 | E | P06 | P06 |
| | D | P06 | P06 |
| SEE NOTE 10 LEAD FREE OPTION | C | P06 | P06 |
| | B | P06 | P06 |
| | A | P06 | P06 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X28 | E | P04 | P04 |
| | D | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | C | P06 | P06 |
| | B | P06 | P06 |
| | A | P06 | P06 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X33 | E | P07 | P07 |
| | D | P07 | P07 |
| SEE NOTE 10 LEAD FREE OPTION | C | P08 | P08 |
| | B | P09 | P09 |
| | A | P09 | P09 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X37 | E | P07 | P07 |
| | D | P07 | P07 |
| SEE NOTE 10 LEAD FREE OPTION | C | P07 | P07 |
| | B | P07 | P07 |
| | A | P09 | P09 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X41 | E | P01 | P01 |
| | D | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X25 | E | P05 | P05 |
| | D | P05 | P05 |
| SEE NOTE 10 LEAD FREE OPTION | C | P05 | P05 |
| | B | P05 | P05 |
| | A | P05 | P05 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X30 | E | P07 | P07 |
| | D | P07 | P07 |
| SEE NOTE 10 LEAD FREE OPTION | C | P08 | P08 |
| | B | P09 | P09 |
| | A | P08 | P08 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X34 | E | P09 | P09 |
| | D | P09 | P09 |
| SEE NOTE 10 LEAD FREE OPTION | C | P09 | P09 |
| | B | P09 | P09 |
| | A | P09 | P09 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X38 | E | P07 | P07 |
| | D | P07 | P07 |
| SEE NOTE 10 LEAD FREE OPTION | C | P09 | P09 |
| | B | P09 | P09 |
| | A | P09 | P09 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X42 | E | P01 | P01 |
| | D | P02 | P02 |
| SEE NOTE 10 LEAD FREE OPTION | C | P02 | P02 |
| | B | P02 | P02 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X26 | E | P04 | P04 |
| | D | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | C | P05 | P05 |
| | B | P05 | P05 |
| | A | P06 | P06 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X31 | E | P07 | P07 |
| | D | P07 | P07 |
| SEE NOTE 10 LEAD FREE OPTION | C | P07 | P07 |
| | B | P07 | P07 |
| | A | P07 | P07 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X35 | E | P08 | P08 |
| | D | P08 | P08 |
| SEE NOTE 10 LEAD FREE OPTION | C | P08 | P08 |
| | B | P08 | P08 |
| | A | P08 | P08 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X39 | E | P03 | P03 |
| | D | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | C | P01 | P01 |
| | B | P01 | P01 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X43 | E | P03 | P03 |
| | D | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | C | P03 | P03 |
| | B | P02 | P02 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X27 | E | P04 | P04 |
| | D | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | C | P04 | P04 |
| | B | P04 | P04 |
| | A | P06 | P06 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X32 | E | P07 | P07 |
| | D | P07 | P07 |
| SEE NOTE 10 LEAD FREE OPTION | C | P07 | P07 |
| | B | P09 | P09 |
| | A | P07 | P07 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X36 | E | P07 | P07 |
| | D | P07 | P07 |
| SEE NOTE 10 LEAD FREE OPTION | C | P08 | P08 |
| | B | P08 | P08 |
| | A | P09 | P09 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X40 | E | P02 | P02 |
| | D | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | C | P02 | P02 |
| | B | P01 | P01 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X44 | E | P03 | P03 |
| | D | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | C | P03 | P03 |
| | B | P16 | P16 |
| | A | P03 | P03 |

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| | | | |
|---|---|---|---|
| spec ref | * | | |
| tolerance std | ISO 406 ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED | |
| surface | 3.2 | linear | 0.X ±0.3 |
| | | | 0.XX ±0.13 |
| | | | 0.XXX ±0.051 |
| ISO 1302 | | angular | 0° ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Andy Lu | 2013/10/22 |
| chr | Sun Richard | 2013/10/24 |
| appr | Pei-Ming Zheng | 2013/10/24 |

| | |
|---|---|
| projection | |
| mm | |
| product family | METRAL |
| size | A4 |
| scale | 1:1 |
| ecn no | ELX-DG-16119-1 |
| rel level | Released |

| | | | |
|---|---|---|---|
| www.fci.com | title | METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT | |
| | dwg no | 89099 | rev AW |
| | cat. no. | - | Product - Customer Drw |
| | | | sheet 4 of 6 |

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

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X45 | E | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P17 | P17 |
| | B | P17 | P17 |
| | A | P17 | P17 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X49 | E | P02 | P02 |
| SEE NOTE 10 LEAD FREE OPTION | D | P03 | P03 |
| | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X53 | E | P05 | P05 |
| SEE NOTE 10 LEAD FREE OPTION | D | P05 | P05 |
| | C | P06 | P06 |
| | B | P04 | P04 |
| | A | P04 | P04 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X57 | E | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P01 | P01 |
| | B | P01 | P01 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X61 | E | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | D | P03 | P03 |
| | C | P02 | P02 |
| | B | P01 | P01 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X46 | E | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | D | P03 | P03 |
| | C | P01 | P01 |
| | B | P03 | P03 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X50 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P03 | P03 |
| | B | P01 | P01 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X54 | E | P02 | P02 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P03 | P03 |
| | B | P01 | P01 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X58 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P03 | P03 |
| | C | P01 | P01 |
| | B | P03 | P03 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X62 | E | P06 | P06 |
| SEE NOTE 10 LEAD FREE OPTION | D | P05 | P05 |
| | C | P05 | P05 |
| | B | P06 | P06 |
| | A | P05 | P05 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X47 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P02 | P02 |
| | B | P03 | P03 |
| | A | P02 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X51 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P16 | P16 |
| | B | P01 | P01 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X55 | E | P02 | P02 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P02 | P02 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X59 | E | P16 | P16 |
| SEE NOTE 10 LEAD FREE OPTION | D | P03 | P03 |
| | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X63 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P01 | P01 |
| | B | P02 | P02 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X48 | E | P04 | P04 |
| SEE NOTE 10 LEAD FREE OPTION | D | P04 | P04 |
| | C | P06 | P06 |
| | B | P04 | P04 |
| | A | P04 | P04 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X52 | E | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X56 | E | P05 | P05 |
| SEE NOTE 10 LEAD FREE OPTION | D | P05 | P05 |
| | C | P05 | P05 |
| | B | P05 | P05 |
| | A | P04 | P04 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X60 | E | P01 | P01 |
| SEE NOTE 10 LEAD FREE OPTION | D | P01 | P01 |
| | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P01 | P01 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X64 | E | P02 | P02 |
| SEE NOTE 10 LEAD FREE OPTION | D | P02 | P02 |
| | C | P01 | P01 |
| | B | P03 | P03 |
| | A | P01 | P01 |

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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 ±0.051 |
| | ISO 1302 | angular | 0° ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Andy Lu | 2013/10/22 |
| chr | Sun Richard | 2013/10/24 |
| appr | Pei-Ming Zheng | 2013/10/24 |

| | |
|---|---|
| projection | |
| mm | |
| product family | METRAL |
| size | A4 |
| scale | 1:1 |
| ecn no | ELX-DG-16119-1 |
| rel level | Released |

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

| | | | |
|---|---|---|---|
| dwg no | 89099 | rev | AW |
| cat. no. | - | Product - Customer Drw | sheet 5 of 6 |

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

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X65 | E | P17 | P17 |
| | D | P03 | P03 |
| SEE NOTE 10 LEAD FREE OPTION | C | P03 | P03 |
| | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X69 | E | P03 | P03 |
| | D | P16 | P16 |
| ---------- | C | P16 | P16 |
| 89099-X69LF | B | P16 | P16 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X66 | E | P17 | P17 |
| | D | P17 | P17 |
| ---------- | C | P02 | P02 |
| 89099-X66LF | B | P02 | P02 |
| | A | P17 | P17 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X70 | E | P01 | P01 |
| | D | P03 | P01 |
| ---------- | C | P03 | P03 |
| 89099-X70LF | B | P03 | P03 |
| | A | P03 | P02 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X67 | E | P01 | P01 |
| | D | P02 | P02 |
| ---------- | C | P02 | P02 |
| 89099-X67LF | B | P03 | P03 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X71 | E | P03 | P03 |
| | D | P03 | P03 |
| ---------- | C | P03 | P02 |
| 89099-X71LF | B | P03 | P02 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X68 | E | P01 | P01 |
| | D | P02 | P02 |
| ---------- | C | P02 | P02 |
| 89099-X68LF | B | P02 | P02 |
| | A | P03 | P03 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | |
|---|---|---|---|
| | | 1 | 2 |
| 89099-X72 | E | P01 | P01 |
| | D | P02 | P02 |
| ---------- | C | P16 | P16 |
| 89099-X72LF | B | - | - |
| | A | P02 | P02 |

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:
   89099 -XYY IS SnPb
   89099-XYYLF IS SN (LEAD FREE)
   PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE.
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 OR XXXXX-XXXPLF
7. PRODUCT SPECIFICATION GS-12-180
   APPLICATION SPECIFICATION BUS-20-075
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.
10. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX. EXAMPLE: 89099-X01LF
11. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN CONVECTION, INFAR-RED OR VAPOR PHASE REFLOW OVEN.

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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 | ±0.051 |
| | angular | 0° | ±2° |

| | | |
|---|---|---|
| dr | Terran Huang | 2010/07/08 |
| eng | Andy Lu | 2013/10/22 |
| chr | Sun Richard | 2013/10/24 |
| appr | Pei-Ming Zheng | 2013/10/24 |

| | | | |
|---|---|---|---|
| projection | mm | size A4 | scale 1:1 |
| | | ecn no | ELX-DG-16119-1 |
| product family | METRAL | rel level | Released |

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

dwg no: 89099

rev: AW

cat. no. - | Product - Customer Drw | sheet 6 of 6

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

PDS: Rev :AW STATUS:Released Printed: Oct 25, 2013

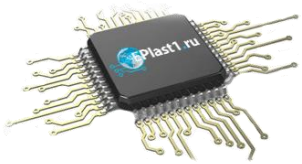
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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