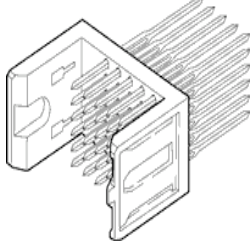


**89006-126LF - METRAL® : 5
Row Signal Header, Straight,
Press-Fit, Wide body**



www.fci.com

Mating Half

▶ 72478-1111LF

▶ 89047-102LF

▶ 85761-1101LF

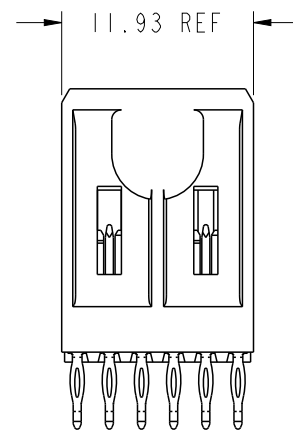
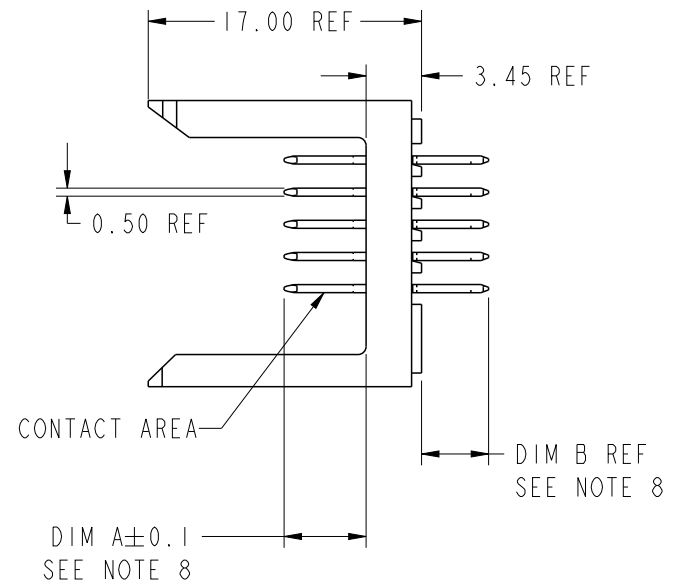
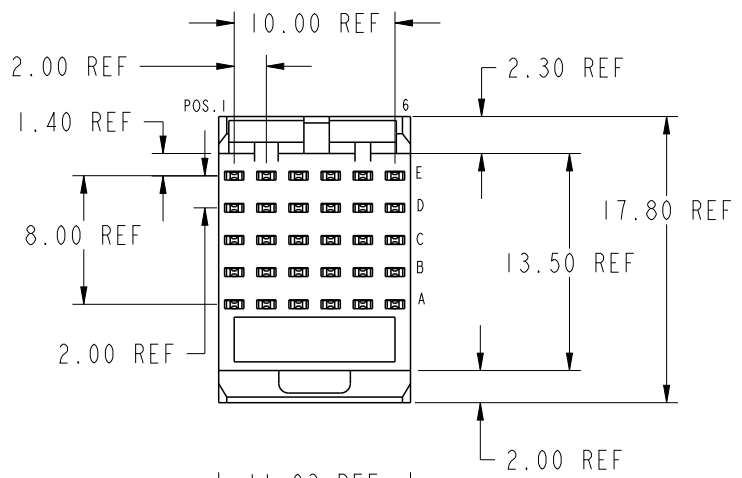
Specifications

General

| | |
|------------------------------------|---|
| Contact type | Signal |
| Number of contacts (Total) | 30 |
| Number of rows | 5 |
| Orientation | Straight |
| Product Type | Header |
| Termination Style | Press-Fit |
| Rear Plug Up | Yes |
| Dimensional | |
| Length (Overall) | 12 mm (0.47 in.) |
| Electrical | |
| Withstanding Voltage | 1000V rms |
| Current rating | 1A |
| Resistance (Insulation) | 5 G-ohms initially; 1 G-ohms after test |
| Mechanical | |
| Insertion force | < 0.37N Per contact |
| Withdrawal Force | > 0.15N Per contact |
| Insertion force (Press-fit) | < 65N Per contact |
| Retention force | > 20N Per contact |
| Mounting | |
| Retention feature (Board) | Press-Fit Peg |
| Solder process | Vapor-phase IR |
| Termination | Board |
| Physical | |
| Color (Housing) | Natural / White |

| | |
|-----------------------------------|--|
| Material (Contact) | Phosphor Bronze |
| Material (Housing) | Glass - Filled LCP |
| Plating (Contact area) | TELCORDIA GR 1217 CORE Level 5 Central Office (CO) |
| Plating (Tail) | TELCORDIA GR 1217 CORE Level 5 Central Office (CO) |
| Temperature (Range) | -55°C to +125°C |
| Approvals / Certifications | |
| Approvals / Certifications | UL and CSA Approved |
| Other Features | |
| Packaging (Type) | Tube |

PRODUCT NUMBER
89006-XYX
89006-XYXLF



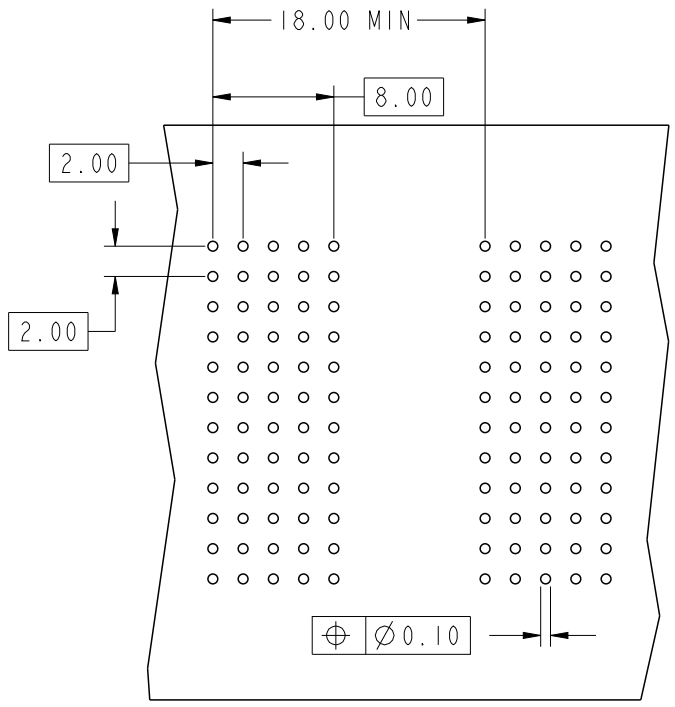
| rev | ecn no | dr | date |
|-----|-----------------|-----|------------|
| AY | ELX-DG-13476-1 | AL | 2012-11-15 |
| - | - | - | - |
| AT | DG09-0256 | TER | 2009-08-19 |
| AU | DG10-0413 | TER | 2010-11-23 |
| AV | DG-007842 | TAO | 2011-11-09 |
| AW | ELX-DG-009301-1 | AL | 2012-01-04 |
| AX | ELX-DG-011219-1 | AL | 2012-04-05 |

| | | | | | | | | | | |
|---------------|---------------------------------------|-------------|----------------|------------------------|------------|------------------------|--------|------------------------|--------|--------------|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Andy Lu | 2012/11/21 | | | ecn no | ELX-DG-13476-1 | | |
| ISO 406 | | chr | Sun Richard | 2012/11/25 | | | | product family | METRAL | rel level |
| ISO 1101 | | appr | Pei-Ming Zheng | 2012/11/27 | title | | 89006 | | rev | AY |
| surface | 3.2 | www.fci.com | | METRAL SIGNAL HEADER | | cat. no. | | Product - Customer Drw | | sheet 1 of 9 |
| ISO 1302 | angular | 0° | ±2° | 1 MOD, 5 ROW PRESS-FIT | | Product - Customer Drw | | sheet 1 of 9 | | |

PrdE 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" 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 | mm | size | A4 | scale | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Andy Lu | 2012/11/21 | | | ecn no | ELX-DG-13476-1 | | |
| ISO 406 ISO 1101 | | chr | Sun Richard | 2012/11/25 | | | rel level | Released | | |
| surface | 3.200 linear | appr | Pei-Ming Zheng | 2012/11/27 | product family | METRAL | | | | |
| ISO 1302 | angular | | | | title | METRAL SIGNAL HEADER | | | | |
| | 0.X | | | | | dwg no | 89006 | | | |
| | 0.XX | | | | | rev | AY | | | |
| | 0.XXX | | | | | cat. no. | - | | | |
| | 0° | | | | | Product - Customer Drw | sheet 2 of 9 | | | |
| | ±0.3 | | | | | | | | | |
| | ±0.13 | | | | | | | | | |
| | ±0.050 | | | | | | | | | |
| | ±2° | | | | | | | | | |

PrdE File - REV C - 2009-06-09

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| 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-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-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-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-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-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-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-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-X18 SEE NOTE 10 LEAD FREE OPTION | E | 4 | 4 | 4 | 4 | 4 | 4 |
| | 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-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-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-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-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-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-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-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-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 |



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|---------------|---------------------------------------|---------|----------------|------------|----------------|----------|----------------------|------------------------|--------------|--------|-------|-----|----|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 | | | |
| tolerance std | ISO 406 ISO 1101 | eng | Andy Lu | 2012/11/21 | | | ecn no | ELX-DG-13476-1 | | | | | |
| | TOLERANCES UNLESS OTHERWISE SPECIFIED | chr | Sun Richard | 2012/11/25 | | | | rel level | Released | | | | |
| surface | 3.200 linear | appr | Pei-Ming Zheng | 2012/11/27 | product family | METRAL | | rel level | Released | | | | |
| | ISO 1302 | angular | 0° | ±2° | FCI | title | METRAL SIGNAL HEADER | | | dwg no | 89006 | rev | AY |
| | | | | | www.fci.com | cat. no. | - | Product - Customer Drw | sheet 3 of 9 | | | | |

Prod File - REV C - 2009-06-09

A

A

| 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-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 |

B

B

| 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-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-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-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 |

C

C

| 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 |

| 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 |



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D

D

| | | | | | | | | | | |
|---------------------------------------|-------------------------|-------|----------------|------------------------|------------|------------------------|--------------|----------------|--------|-----------|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| tolerance std | ISO 406 ISO 1101 | eng | Andy Lu | 2012/11/21 | | | ecn no | ELX-DG-13476-1 | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Sun Richard | 2012/11/25 | | | | product family | METRAL | rel level |
| surface | 3.200 linear | appr | Pei-Ming Zheng | 2012/11/27 | METRAL | | rel level | Released | | |
| | 0.X ±0.3 | | www.fci.com | cat. no. | - | Product - Customer Drw | sheet 4 of 9 | rev | AY | |
| | 0.XX ±0.13 | | | | | | | | | |
| | 0.XXX ±0.050 | | | | | | | | | |
| | ISO 1302 angular 0° ±2° | title | | METRAL SIGNAL HEADER | | dwg no | | 89006 | | |
| | | | | 1 MOD, 5 ROW PRESS-FIT | | | | | | |

A

| 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 |

B

| 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 |

C

| 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-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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D

| | | | | | | | | | | |
|---------------|---------------------------------------|------|----------------|------------|----------------|----|----------------------|----|------------------------|-------|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| tolerance std | ISO 406 ISO 1101 | eng | Andy Lu | 2012/11/21 | | | ecn no | | ELX-DG-13476-1 | |
| | TOLERANCES UNLESS OTHERWISE SPECIFIED | chr | Sun Richard | 2012/11/25 | | | rel level | | Released | |
| surface | 3.200 linear | appr | Pei-Ming Zheng | 2012/11/27 | product family | | METRAL | | rev | AY |
| | ISO 1302 | | | | title | | METRAL SIGNAL HEADER | | dwg no | 89006 |
| | 0.X ±0.3 | | | | cat. no. | | - | | Product - Customer Drw | |
| | 0.XX ±0.13 | | | | | | | | sheet 5 of 9 | |
| | 0.XXX ±.050 | | | | | | | | | |
| | angular 0° ±2° | | | | | | | | | |
| | | | | | | | | | | |



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| 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-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-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-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 |

| | | | | | | | | | | | |
|---------------|---------------------------------------|-------------|----------------|------------------------|----------------|--------|------------------------|----------------|----------|--------------|-------|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Andy Lu | 2012/11/21 | | | ecn no | ELX-DG-13476-1 | | | |
| ISO 406 | | chr | Sun Richard | 2012/11/25 | | | | rel level | Released | | |
| ISO 1101 | | appr | Pei-Ming Zheng | 2012/11/27 | product family | METRAL | | | rev | AY | |
| surface | 3.2 linear | | | title | | | METRAL SIGNAL HEADER | | | dwg no | 89006 |
| | 0.X ±0.3 | www.fci.com | | 1 MOD, 5 ROW PRESS-FIT | | | Product - Customer Drw | | | sheet 6 of 9 | |
| | 0.XX ±0.13 | | | | | | | | | | |
| | 0.XXX ±0.050 | | | | | | | | | | |
| | angular 0° ±2° | | | | | | | | | | |

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| 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 |
| 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 |
| 89006-X85 SEE NOTE 10 LEAD FREE OPTION | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |
| 89006-X89 SEE NOTE 10 LEAD FREE OPTION | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 17 | 17 | 17 | 17 | 17 | 17 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |
| 89006-X93 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 | 15 | 15 | 15 | 15 | 15 | 15 |
| 89006-X97 SEE NOTE 10 LEAD FREE OPTION | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |
| 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 |
| 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 |
| 89006-X86 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 | 8 | 8 | 8 | 8 | 8 | 8 |
| 89006-X90 SEE NOTE 10 LEAD FREE OPTION | E | 10 | 10 | 10 | 10 | 10 | 10 |
| | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 |
| 89006-X94 SEE NOTE 10 LEAD FREE OPTION | E | 15 | 15 | 15 | 15 | 15 | 15 |
| | D | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 15 | 15 | 15 | 15 | 15 | 15 |
| 89006-X98 SEE NOTE 10 LEAD FREE OPTION | E | 15 | 15 | 15 | 15 | 15 | 15 |
| | D | 18 | 18 | 18 | 18 | 18 | 18 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 18 | 18 | 18 | 18 | 18 | 18 |
| | A | 15 | 15 | 15 | 15 | 15 | 15 |
| 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 |
| 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 |
| 89006-X87 SEE NOTE 10 LEAD FREE OPTION | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |
| 89006-X91 SEE NOTE 10 LEAD FREE OPTION | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |
| 89006-X95 SEE NOTE 10 LEAD FREE OPTION | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |
| 89006-X99 SEE NOTE 10 LEAD FREE OPTION | E | 11 | 11 | 11 | 11 | 11 | 11 |
| | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 18 | 18 | 18 | 18 | 18 | 18 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |
| 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 |
| 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 |
| 89006-X88 SEE NOTE 10 LEAD FREE OPTION | E | 14 | 14 | 14 | 14 | 14 | 14 |
| | D | 17 | 17 | 17 | 17 | 17 | 17 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 17 | 17 | 17 | 17 | 17 | 17 |
| | A | 14 | 14 | 14 | 14 | 14 | 14 |
| 89006-X92 SEE NOTE 10 LEAD FREE OPTION | E | 21 | 21 | 21 | 21 | 21 | 21 |
| | D | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |
| 89006-X96 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 | 12 | 12 | 12 | 12 | 12 | 12 |
| 89006-X100 SEE NOTE 10 LEAD FREE OPTION | E | 1 | 3 | 2 | 3 | 1 | 3 |
| | D | 1 | 3 | 2 | 3 | 1 | 3 |
| | C | 1 | 3 | 2 | 3 | 1 | 3 |
| | B | 1 | 3 | 2 | 3 | 1 | 3 |
| | A | 1 | 3 | 2 | 3 | 1 | 3 |

| | | | | | | | | | | |
|---------------------------------------|---------------------|-------------|----------------|------------|----------------|----|----------------------|----------------|------------------------|-------|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| tolerance std | ISO 406 ISO 1101 | eng | Andy Lu | 2012/11/21 | | | ecn no | ELX-DG-13476-1 | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Sun Richard | 2012/11/25 | | | | rel level | Released | |
| surface | 3.200 linear | appr | Pei-Ming Zheng | 2012/11/27 | product family | | METRAL | | rev | AY |
| | 0.X ±0.3 | | | title | | | METRAL SIGNAL HEADER | | dwg no | 89006 |
| | 0.XX ±0.13 | www.fci.com | | cat. no. | | | - | | Product - Customer Drw | |
| | 0.XXX ±0.050 | | | | | | | | sheet 7 of 9 | |
| | ISO 1302 | angular | 0° | ±2° | | | | | | |

ProjE File - REV C - 2009-06-09

A

B

C

D

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 89006-X101 SEE NOTE 10 LEAD FREE OPTION | E | 1 | 1 | 4 | 4 | 4 | 4 |
| | D | 1 | 1 | 4 | 4 | 4 | 4 |
| | 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 SEE NOTE 10 LEAD FREE OPTION | E | 19 | 2 | 19 | 2 | 2 | 2 |
| | D | 19 | 2 | 19 | 2 | 2 | 2 |
| | 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-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-X102 SEE NOTE 10 LEAD FREE OPTION | E | 19 | 2 | 19 | 2 | 2 | 2 |
| | D | 19 | 2 | 19 | 2 | 2 | 2 |
| | 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 SEE NOTE 10 LEAD FREE OPTION | E | 19 | 2 | 19 | 2 | 2 | 2 |
| | D | 19 | 2 | 19 | 2 | 2 | 1 |
| | 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-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-X103 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 19 | 2 | 2 |
| | D | 2 | 2 | 2 | 19 | 2 | 2 |
| | 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 SEE NOTE 10 LEAD FREE OPTION | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 1 |
| | 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-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-X104 SEE NOTE 10 LEAD FREE OPTION | E | 19 | 2 | 2 | 2 | 2 | 2 |
| | D | 19 | 2 | 2 | 2 | 2 | 2 |
| | 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 SEE NOTE 10 LEAD FREE OPTION | E | 19 | 19 | 2 | 2 | 2 | 2 |
| | D | 19 | 19 | 2 | 1 | 2 | 2 |
| | C | 19 | 19 | 2 | 2 | 2 | 2 |
| | B | 19 | 19 | 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-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 |



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|---------------|---------------------------------------|------|----------------|------------|------------------------|----|-----------|----------------------|-------|------------------------|----------------|--------------|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 | | |
| tolerance std | ISO 406 ISO 1101 | eng | Andy Lu | 2012/11/21 | | | ecn no | | | | ELX-DG-13476-1 | |
| | TOLERANCES UNLESS OTHERWISE SPECIFIED | chr | Sun Richard | 2012/11/25 | | | rel level | | | | Released | |
| surface | 3.200 linear | appr | Pei-Ming Zheng | 2012/11/27 | product family | | | METRAL | rev | | AY | |
| | ISO 1302 | | | | title | | | METRAL SIGNAL HEADER | | dwg no | | 89006 |
| | | | | | 1 MOD, 5 ROW PRESS-FIT | | | cat. no. | | Product - Customer Drw | | sheet 8 of 9 |
| | | | | | www.fci.com | | | | | | | |

PRODUCT NUMBER

89006-XYX

89006-XYXLF

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-XYX IS SnPb
73931-XYXLF 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 MAXIMUM 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)

| 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) | - |
| -IYY | TELCORDIA CO | - |
| -2YY | TELECOM CLASS | - |
| -3YY | IEC CLASS 1 | - |
| -5YY | TELCORDIA UE | - |
| -NIYY | TELCORDIA CO (NXT) IEC CLASS 1 | SEE NOTE 9 |
| -N5YXLF | TELCORDIA UE (NXT) | SEE NOTE 9 |
| -IYXLF | TELCORDIA CO IEC CLASS 1 | SEE NOTE 9 |
| -2YXLF | TELECOM CLASS | SEE NOTE 9 |
| -5YXLF | TELCORDIA UE | SEE NOTE 9 |



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|---------------|---------------------------------------|--------|----------------|------------------------|----------------|----|----------------------|----|------------------------|-----|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Andy Lu | 2012/11/21 | | | ecn no | | ELX-DG-13476-1 | |
| ISO 406 | | chr | Sun Richard | 2012/11/25 | | | rel level | | Released | |
| ISO 1101 | | appr | Pei-Ming Zheng | 2012/11/27 | product family | | METRAL | | rev | |
| surface | 3.200 linear | | | title | | | METRAL SIGNAL HEADER | | dwg no | |
| | 0.X | ±0.3 | | 1 MOD, 5 ROW PRESS-FIT | | | 89006 | | AY | |
| | 0.XX | ±0.13 | | cat. no. | | | - | | Product - Customer Drw | |
| | 0.XXX | ±0.050 | | www.fci.com | | | - | | sheet 9 of 9 | |
| ISO 1302 | angular | 0° | | ±2° | | - | | | - | |