

A

B

C

D

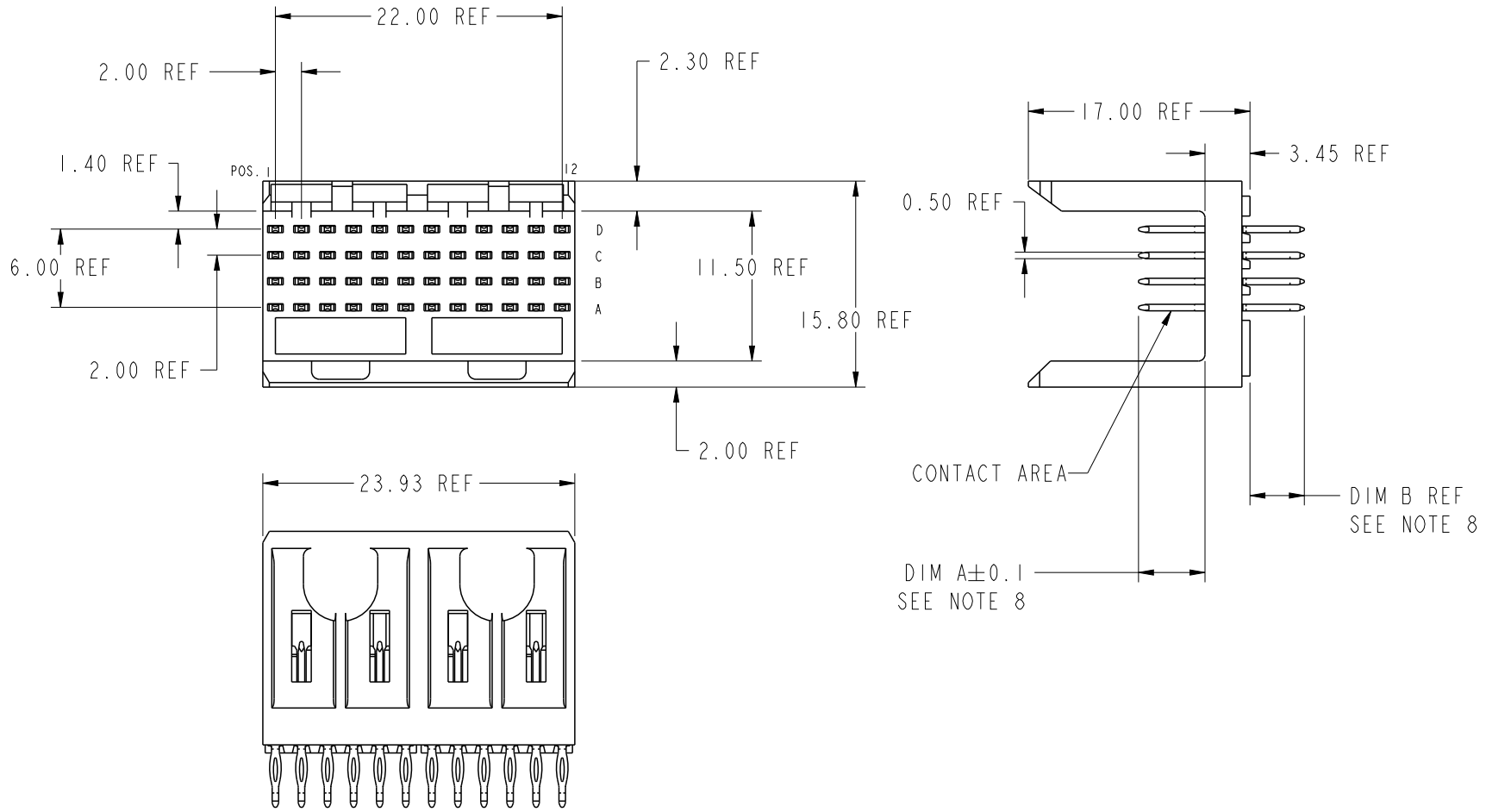
A

B

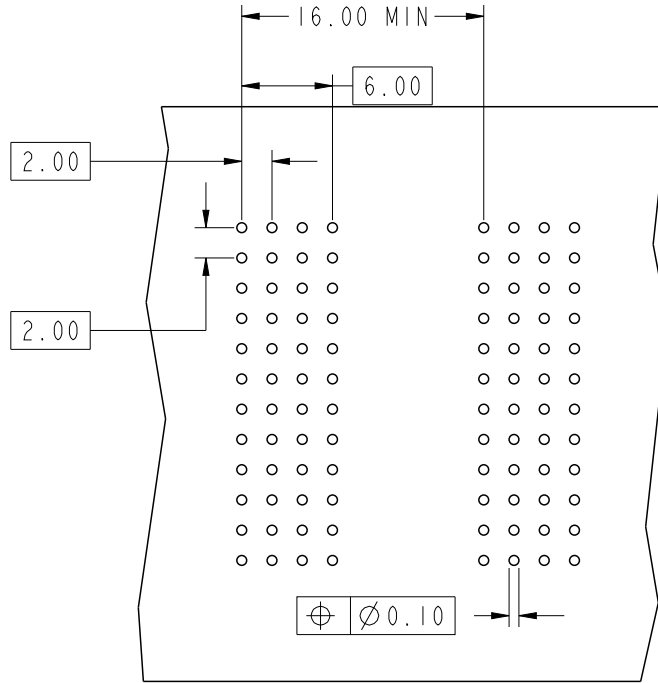
C

D

PRODUCT NUMBER
70233-XYLFF



| | | | | | | | | | | | |
|---------------------|--|---|--|---------------------|--|--|--|------------|--|-----------------------------|--|
| spec ref * | | dr Terran Huang | | 2010/07/09 | | projection | | size A4 | | scale 2:1 | |
| tolerance std | | eng B T Varghese | | 2017/09/09 | | | | | | ecn no ELX-I-23376-1 | |
| ISO 406 ISO 1101 | | chr - | | - | | | | | | rel level Released | |
| surface | | appr K-Paul Biju | | 2017/09/09 | | product family METRAL | | rev | | 70233 | |
| ISO 1302 | | TOLERANCES UNLESS OTHERWISE SPECIFIED linear | | Amphenol FCI | | title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT | | cat. no. * | | Product - Customer Drw | |
| | | | | | | | | | | sheet 1 of 10 | |
| linear | | 0.X ±0.3 0.XX ±0.13 0.XXX ±0.051 | | angular | | 0° ±2° | | dwg no | | rev AH | |



| 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 |
| 19 | 8.00 | 4.30 |
| 20 | 8.00 | 13.60 |
| 21 | 8.00 | 17.00 |

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

| | | | | | | | | | | | | | |
|---------------------|--|------------------|--|--------------|--|---|--|------------------------|--|------------------------|--|------------------------|--|
| spec ref * | | dr Terran Huang | | 2010/07/09 | | projection | | size A4 | | scale 2:1 | | | |
| tolerance std | | eng B T Varghese | | 2017/09/09 | | | | | | ecn no ELX-I-23376-1 | | | |
| ISO 406 ISO 1101 | | chr - | | - | | | | | | rel level Released | | | |
| surface | | appr K-Paul Biju | | 2017/09/09 | | product family METRAL | | rev | | dwg no 70233 | | | |
| ISO 1302 | | linear | | 0.X ±0.3 | | Amphenol FCI METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT cat. no. - | | sheet 2 of 10 | | Product - Customer Drw | | | |
| linear | | 0.XX ±0.13 | | 0.XXX ±0.051 | | | | Product - Customer Drw | | sheet 2 of 10 | | Product - Customer Drw | |
| angular | | 0° ±2° | | | | | | Product - Customer Drw | | sheet 2 of 10 | | Product - Customer Drw | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X10LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X11LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X12LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X13LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X14LF | D | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X15LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X16LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X17LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X18LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X19LF | D | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X20LF | D | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X21LF | D | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X22LF | D | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X23LF | D | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X24LF | D | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| | | | | | | | | | | |
|---------------|---------------------------------------|--------------|--------------|------------------------|----------------|--------|-----------|------------------------|---------------|-----|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 1:1 |
| tolerance std | ISO 406 ISO 1101 | eng | B T Varghese | 2017/09/09 | | | ecn no | | ELX-I-23376-1 | |
| | TOLERANCES UNLESS OTHERWISE SPECIFIED | chr | - | - | | | rel level | | Released | |
| surface | linear | appr | K-Paul Biju | 2017/09/09 | product family | | METRAL | | rev | AH |
| | angular | Amphenol FCI | | METRAL SIGNAL HEADER | | dwg no | | 70233 | | |
| | 0.X ±0.3 | | | 2 MOD, 4 ROW PRESS-FIT | | | | | | |
| | 0.XX ±0.13 | | | cat. no. | | - | | Product - Customer Drw | | |
| | 0.XXX ±0.051 | | | | | | | sheet 3 of 10 | | |
| | 0° ±2° | | | | | | | | | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X40LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X41LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X42LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X43LF | D | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X44LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X45LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X46LF | D | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X47LF | D | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| | A | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X48LF | D | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | B | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X49LF | D | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X50LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X51LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X52LF | D | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X53LF | D | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X54LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| | | | | | | | | | | | | | |
|---------------|---------------------------------------|--------------|------------------------|------------|----------------------|---------------|--------|---------------|----------|-----|------------------------|--|--|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 1:1 | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | B T Varghese | 2017/09/09 | | | ecn no | ELX-I-23376-1 | | | | | |
| ISO 406 | | chr | - | - | | | | rel level | Released | | | | |
| ISO 1101 | | appr | K-Paul Biju | 2017/09/09 | product family | METRAL | | | rev | AH | | | |
| surface | linear | Amphenol FCI | | | METRAL SIGNAL HEADER | | | 70233 | | | | | |
| | | | | | | | | | | | 2 MOD, 4 ROW PRESS-FIT | | |
| | angular | | | | | | | | | | | | |
| ISO 1302 | 0.X | ±0.3 | Product - Customer Drw | | | sheet 5 of 10 | | | | | | | |
| | 0.XX | ±0.13 | | | | | | | | | | | |
| | 0.XXX | ±0.051 | | | | | | | | | | | |
| | 0° | ±2° | | | | | | | | | | | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X55LF | D | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X56LF | D | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X57LF | D | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | A | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X58LF | D | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X59LF | D | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X60LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X61LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X62LF | D | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X63LF | D | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X64LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |


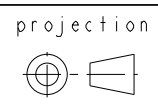

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X65LF | D | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X66LF | D | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X67LF | D | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| | A | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X68LF | D | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X69LF | D | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--|---|--------------|--|---|---|------------------------|---------------|---------------|----------|---------|----|-----|------|-------------|------------|--------|--|-----------|----------|--|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection |  | size | A4 | scale | 1:1 | | | | | | | | | | | |
| tolerance std | ISO 406 ISO 1101 | eng | B T Varghese | 2017/09/09 |  | | ecn no | ELX-I-23376-1 | | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | - | - | | | product family | METRAL | rel level | Released | | | | | | | | | | | |
| surface | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.13</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.051</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table> | linear | 0.X | ±0.3 | | 0.XX | ±0.13 | | 0.XXX | ±0.051 | angular | 0° | ±2° | appr | K-Paul Biju | 2017/09/09 | METRAL | | rel level | Released | |
| linear | 0.X | ±0.3 | | | | | | | | | | | | | | | | | | | |
| | 0.XX | ±0.13 | | | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±0.051 | | | | | | | | | | | | | | | | | | | |
| angular | 0° | ±2° | | | | | | | | | | | | | | | | | | | |
| ISO 1302 | |  | | METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT | | | dwg no 70233 | rev AH | | | | | | | | | | | | | |
| | | cat. no. | | - | | | Product - Customer Drw | | sheet 6 of 10 | | | | | | | | | | | | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X70LF | D | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X71LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X72LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X73LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X74LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X75LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X76LF | D | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X77LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X78LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X79LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X80LF | D | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X81LF | D | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X82LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X83LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X84LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| | | | | | | | | | | | |
|---------------|---------------------------------------|---------------------|----------------------|------------|----------------|------------------------|--------|---------------|----------|-----|-------|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 1:1 | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | B T Varghese | 2017/09/09 | | | ecn no | ELX-I-23376-1 | | | |
| ISO 406 | | chr | - | - | | | | rel level | Released | | |
| ISO 1101 | | appr | K-Paul Biju | 2017/09/09 | product family | | METRAL | | rev | | |
| surface | linear | Amphenol FCI | METRAL SIGNAL HEADER | | | dwg no | 70233 | | | AH | |
| | 0.X | | | | | | | | | | ±0.3 |
| | 0.XX | | | | | | | | | | ±0.13 |
| | 0.XXX | ±0.051 | cat. no. | | - | Product - Customer Drw | | sheet 7 of 10 | | | |
| ISO 1302 | angular | 0° | ±2° | | | | | | | | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X85LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X86LF | D | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X87LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X88LF | D | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X89LF | D | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X90LF | D | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X91LF | D | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X92LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X93LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X94LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X95LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X96LF | D | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X97LF | D | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X98LF | D | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|----|----|----|--------|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 70233-X99LF | D | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | | | | | | | | | | |
|---------------|---------------------------------------|------|--------------|---------------------|------------------------|--------|------------------------|---------------|----------|---------|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | B T Varghese | 2017/09/09 | | | ecn no | ELX-I-23376-1 | | |
| ISO 406 | | chr | - | - | | | | rel level | Released | |
| ISO 1101 | | appr | K-Paul Biju | 2017/09/09 | product family | METRAL | | | rev | AH |
| surface | linear | 0.X | ±0.3 | Amphenol FCI | METRAL SIGNAL HEADER | | | dwg no | 70233 | |
| | | 0.XX | ±0.13 | | 2 MOD, 4 ROW PRESS-FIT | | | | | |
| | angular | 0° | ±2° | | cat. no. | - | Product - Customer Drw | | sheet | 8 of 10 |
| ISO 1302 | | | | | | | | | | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | | MOD. 2 | | | | | |
|--------------|-----|---------------------|---|---|---|---|---|--------|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 70233-X100LF | D | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 20 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |



| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | | MOD. 2 | | | | | |
|--------------|-----|---------------------|---|---|---|---|---|--------|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 70233-X101LF | D | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 |
| | C | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 |
| | B | 20 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 |
| | A | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 |



| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | | MOD. 2 | | | | | |
|--------------|-----|---------------------|---|---|---|---|---|--------|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 70233-X102LF | D | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 3 |
| | C | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 3 |
| | B | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 4 | 4 | 19 |
| | A | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 3 |



| | | | | | | | | | | | | |
|---------------------|--|-----------------|--------------|------------------------|----------------|------------------------|----------------------|---------------|----------|-----|-------|---------------|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | | size | A4 | scale | 1:1 | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | B T Varghese | 2017/09/09 | | | | ecn no | | | | ELX-I-23376-1 |
| ISO 406 ISO 1101 | | chr | - | - | | | | rel level | | | | Released |
| surface | linear | appr | K-Paul Biju | 2017/09/09 | product family | | METRAL | | rev | | 70233 | |
| | angular | | | | title | | METRAL SIGNAL HEADER | | cat. no. | | - | |
| ISO 1302 | 0.X ±0.3 0.XX ±0.13 0.XXX ±0.051 0° ±2° | Amphenol FCi | | 2 MOD, 4 ROW PRESS-FIT | | Product - Customer Drw | | sheet 9 of 10 | | AW | | |

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:
70233-XYLFF IS Sn (LF STANDS FOR 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-XXXPLF
7. PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
9. -A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
10. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-47-0004.

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING
(DRAWING NO.)-N1--- 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.)-N1---
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.

| PLATING IN CONTACT AREA | | |
|-------------------------|-----------------------------------|-------------------|
| DASH NUMBER | PERFORMANCE LEVEL | NOTES |
| -AYLFF | TELCORDIA CO | SEE NOTE 8,9 & 10 |
| -NIYLF | TELCORDIA CO (NXT) IEC CLASS I | SEE NOTE 10 |
| -N5YLF | TELCORDIA UE (NXT) | SEE NOTE 10 |
| -IYLF | TELCORDIA CO IEC CLASS I | SEE NOTE 10 |
| -2YLF | TELECOM CLASS | SEE NOTE 10 |
| -5YLF | TELCORDIA UE | SEE NOTE 10 |

| | | | | | | | | | | |
|---------------------|-------|--------|-----------------|------------|------------------------|--------|----------------|---------------|-------|-----|
| spec ref * | | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 1:1 |
| tolerance std | | eng | B T Varghese | 2017/09/09 | | | ecn no | ELX-I-23376-1 | | |
| ISO 406 ISO 1101 | | chr | - | - | | | rel level | Released | | |
| surface | | appr | K-Paul Biju | 2017/09/09 | product family | | METRAL | | | |
| linear | 0.X | ±0.3 | Amphenol FCi | title | METRAL SIGNAL HEADER | | dwg no | 70233 | rev | AH |
| | 0.XX | ±0.13 | | | | | | | | |
| | 0.XXX | ±0.051 | | | | | | | | |
| angular | 0° | ±2° | cat. no. | - | Product - Customer Drw | | sheet 10 of 10 | | | |