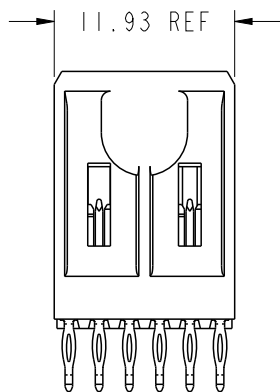
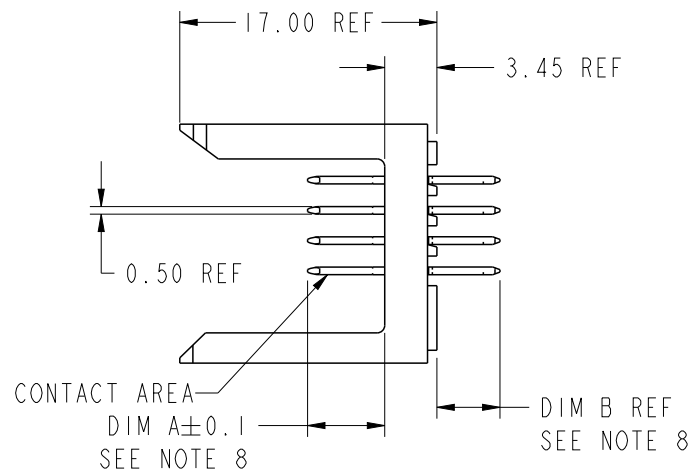
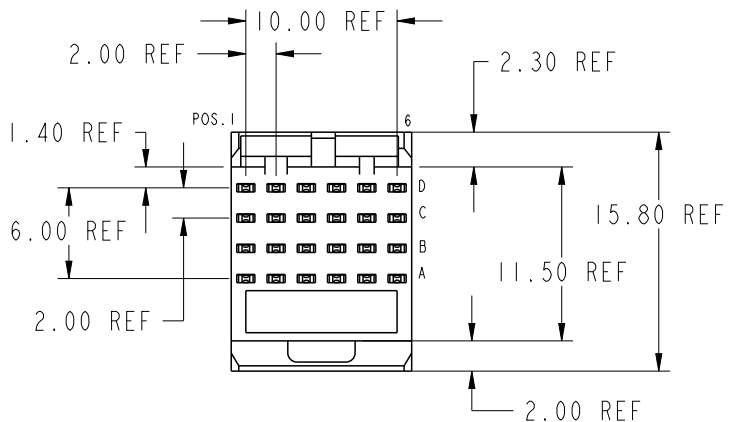


PRODUCT NUMBER

70232-XYX

70232-XYXLF



| PLATING IN CONTACT AREA | | |
|-------------------------|-----------------------------------|-------------|
| DASH NUMBER | PERFORMANCE LEVEL | NOTES |
| -AYY | TELCORDIA CO | SEE NOTE 9 |
| -NIYY | TELCORDIA CO (NXT) | - |
| -N5YY | TELCORDIA UE (NXT) | - |
| -IYY | TELCORDIA CO | - |
| -2YY | TELECOM CLASS | - |
| -3YY | IEC CLASS I | - |
| -5YY | TELCORDIA UE | - |
| -AYXLF | TELCORDIA CO | SEE NOTE 10 |
| -NIYXLF | TELCORDIA CO (NXT) IEC CLASS I | SEE NOTE 10 |
| -N5YXLF | TELCORDIA UE (NXT) | SEE NOTE 10 |
| -IYXLF | TELCORDIA CO IEC CLASS I | SEE NOTE 10 |
| -2YXLF | TELECOM CLASS | SEE NOTE 10 |
| -5YXLF | TELCORDIA UE | SEE NOTE 10 |

| rev | ecn no | dr | date |
|-----|----------------|-----|------------|
| AL | V06-0498 | DCH | 2006-05-31 |
| AM | DG09-0256 | TER | 2009-08-19 |
| AN | ELX-DG-13988-1 | AL | 2013-02-04 |
| - | - | - | - |
| AH | V05-0079 | HTB | 02/03/05 |
| AJ | V05-0359 | DAI | 04/21/05 |
| AK | V05-1030 | LP | 11/18/05 |

| | | | | | | | | | | |
|---------------------------------------|------------|-------------|----------------|--------------|------------------------|----|-----------|-------|----------------|-----|
| spec ref | * | dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 2:1 |
| tolerance std | ASME Y14.5 | eng | Andy Lu | 2013/02/06 | | | ecn no | | ELX-DG-13988-1 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Sun Richard | 2013/02/27 | | | rel level | | Released | |
| surface | linear | appr | Pei-Ming Zheng | 2013/02/28 | product family | | METRAL | | rev | AN |
| ASME Y14.5 | 0.X | FCj | | title | METRAL SIGNAL HEADER | | dwg no | 70232 | | |
| | 0.XX | www.fci.com | | | 1 MOD, 4 ROW PRESS-FIT | | | | | |
| | 0.XXX | cat. no. | | | Product - Customer Drw | | | | | |
| angular | 0° | www.fci.com | | sheet 1 of 8 | | | | | | |

1

2

3

4

A

B

C

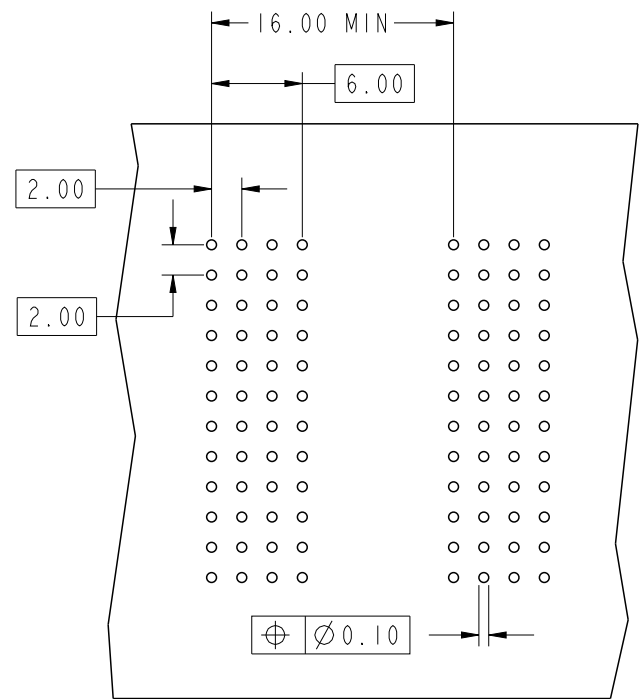
D

A

B

C

D



| 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



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| | | | | | | | | | | | |
|-------------|----------------|------------|----------------|------------------------|----------------|----------------------|--------------|----------|-------|-----|----|
| dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 2:1 | | | |
| eng | Andy Lu | 2013/02/06 | | | ecn no | ELX-DG-13988-1 | | | | | |
| chr | Sun Richard | 2013/02/27 | | | product family | METRAL | rel level | Released | | | |
| appr | Pei-Ming Zheng | 2013/02/28 | | | title | METRAL SIGNAL HEADER | | dwg no | 70232 | rev | AN |
| www.fci.com | | cat. no. | - | Product - Customer Drw | | | sheet 2 of 8 | | | | |

2

3

4



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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X10 | D | 1 | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X14 | D | 4 | 4 | 4 | 4 | 4 | 4 |
| SEE NOTE 11 LEAD FREE OPTION | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | 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 |
| 70232-X18 | D | 3 | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X22 | D | 5 | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X26 | D | 6 | 6 | 6 | 6 | 6 | 6 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X11 | D | 1 | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X15 | D | 3 | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X19 | D | 4 | 4 | 4 | 4 | 4 | 4 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X23 | D | 7 | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X27 | D | 7 | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11 LEAD FREE OPTION | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X12 | D | 1 | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X16 | D | 2 | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X20 | D | 5 | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X24 | D | 8 | 8 | 8 | 8 | 8 | 8 |
| SEE NOTE 11 LEAD FREE OPTION | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | 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 |
| 70232-X28 | D | 7 | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X13 | D | 3 | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X17 | D | 3 | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X21 | D | 5 | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X25 | D | 7 | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X29 | D | 8 | 8 | 8 | 8 | 8 | 8 |
| SEE NOTE 11 LEAD FREE OPTION | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 8 | 8 | 8 | 8 | 8 | 8 |

| | | | | | | | | |
|-------------|----------------|----------------------|------------------------|--------|-----------|----------------|--------|-----|
| dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| eng | Andy Lu | 2013/02/06 | | | ecn no | ELX-DG-13988-1 | | |
| chr | Sun Richard | 2013/02/27 | | | rel level | Released | | |
| appr | Pei-Ming Zheng | 2013/02/28 | product family | METRAL | rev | AN | | |
| | title | METRAL SIGNAL HEADER | | | dwg no | 70232 | | |
| www.fci.com | cat. no. | - | Product - Customer Drw | | | sheet | 3 of 8 | |



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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X30 | D | 9 | 9 | 9 | 9 | 9 | 9 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X34 | D | 12 | 12 | 12 | 12 | 12 | 12 |
| SEE NOTE 11 LEAD FREE OPTION | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | 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 |
| 70232-X38 | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X42 | D | 1 | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | C | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X46 | D | 19 | 19 | 19 | 19 | 19 | 19 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X31 | D | 9 | 9 | 9 | 9 | 9 | 9 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X35 | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X39 | D | 12 | 12 | 12 | 12 | 12 | 12 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X43 | D | 13 | 13 | 13 | 13 | 13 | 13 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X47 | D | 4 | 4 | 4 | 4 | 4 | 4 |
| SEE NOTE 11 LEAD FREE OPTION | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 13 | 13 | 13 | 13 | 13 | 13 |
| | A | 13 | 13 | 13 | 13 | 13 | 13 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X32 | D | 9 | 9 | 9 | 9 | 9 | 9 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X36 | D | 10 | 10 | 10 | 10 | 10 | 10 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X40 | D | 2 | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X44 | D | 2 | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X48 | D | 19 | 19 | 19 | 19 | 19 | 19 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X33 | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X37 | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 11 LEAD FREE OPTION | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 9 | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X41 | D | 2 | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X45 | D | 1 | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | 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 |
| 70232-X49 | D | 4 | 4 | 4 | 4 | 4 | 4 |
| SEE NOTE 11 LEAD FREE OPTION | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| | | | | | | | | |
|-------------|----------------|----------------------|------------------------|--------------|-----------|----------------|-------|-----|
| dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| eng | Andy Lu | 2013/02/06 | | | ecn no | ELX-DG-13988-1 | | |
| chr | Sun Richard | 2013/02/27 | | | rel level | Released | | |
| appr | Pei-Ming Zheng | 2013/02/28 | product family | METRAL | rev | AN | | |
| | title | METRAL SIGNAL HEADER | | | dwg no | 70232 | | |
| www.fci.com | cat. no. | - | Product - Customer Drw | sheet 4 of 8 | | | | |



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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X50 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X54 SEE NOTE 11 LEAD FREE OPTION | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X58 SEE NOTE 11 LEAD FREE OPTION | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 20 | 20 | 20 | 20 | 20 | 20 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X62 SEE NOTE 11 LEAD FREE OPTION | D | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X66 SEE NOTE 11 LEAD FREE OPTION | D | 21 | 21 | 21 | 21 | 21 | 21 |
| | 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 |
| 70232-X51 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X55 SEE NOTE 11 LEAD FREE OPTION | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | 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 |
| 70232-X59 SEE NOTE 11 LEAD FREE OPTION | D | 8 | 8 | 8 | 8 | 8 | 8 |
| | 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 |
| 70232-X63 SEE NOTE 11 LEAD FREE OPTION | D | 15 | 15 | 15 | 15 | 15 | 15 |
| | 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 |
| 70232-X67 SEE NOTE 11 LEAD FREE OPTION | D | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 15 | 15 | 15 | 15 | 15 | 15 |
| | A | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X52 SEE NOTE 11 LEAD FREE OPTION | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X56 SEE NOTE 11 LEAD FREE OPTION | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | 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 |
| 70232-X60 SEE NOTE 11 LEAD FREE OPTION | 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 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X64 SEE NOTE 11 LEAD FREE OPTION | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X68 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X53 SEE NOTE 11 LEAD FREE OPTION | D | 14 | 14 | 14 | 14 | 14 | 14 |
| | 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 |
| 70232-X57 SEE NOTE 11 LEAD FREE OPTION | D | 8 | 8 | 8 | 8 | 8 | 8 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 14 | 14 | 14 | 14 | 14 | 14 |
| | A | 14 | 14 | 14 | 14 | 14 | 14 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X61 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X65 SEE NOTE 11 LEAD FREE OPTION | D | 9 | 9 | 9 | 9 | 9 | 9 |
| | C | 10 | 10 | 10 | 10 | 10 | 10 |
| | 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 |
| 70232-X69 SEE NOTE 11 LEAD FREE OPTION | D | 12 | 12 | 12 | 12 | 12 | 12 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| | | | | | | | | |
|-------------|----------------|--|----------------|------------------------|--------------|----------------|-------|-----|
| dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| eng | Andy Lu | 2013/02/06 | | | ecn no | ELX-DG-13988-1 | | |
| chr | Sun Richard | 2013/02/27 | | | rel level | Released | | |
| appr | Pei-Ming Zheng | 2013/02/28 | product family | METRAL | rev | AN | | |
| | | title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT | | | dwg no 70232 | sheet 5 of 8 | | |
| www.fci.com | | cat. no. | - | Product - Customer Drw | | | | |



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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X70 SEE NOTE 11 LEAD FREE OPTION | D | 4 | 4 | 4 | 4 | 4 | 4 |
| | 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 |
| 70232-X74 SEE NOTE 11 LEAD FREE OPTION | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | 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 |
| 70232-X78 SEE NOTE 11 LEAD FREE OPTION | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X82 SEE NOTE 11 LEAD FREE OPTION | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 8 | 8 | 8 | 8 | 8 | 8 |
| | B | 8 | 8 | 8 | 8 | 8 | 8 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X86 SEE NOTE 11 LEAD FREE OPTION | D | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | A | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X71 SEE NOTE 11 LEAD FREE OPTION | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | 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 |
| 70232-X75 SEE NOTE 11 LEAD FREE OPTION | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | 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 |
| 70232-X79 SEE NOTE 11 LEAD FREE OPTION | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | 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 |
| 70232-X83 SEE NOTE 11 LEAD FREE OPTION | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | 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 |
| 70232-X87 SEE NOTE 11 LEAD FREE OPTION | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X72 SEE NOTE 11 LEAD FREE OPTION | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|--|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X76 SEE NOTE 11 LEAD FREE OPTION | D | 19 | 19 | 19 | 19 | 19 | 19 |
| | 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 |
| 70232-X80 SEE NOTE 11 LEAD FREE OPTION | D | 8 | 8 | 8 | 8 | 8 | 8 |
| | 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 |
| 70232-X84 SEE NOTE 11 LEAD FREE OPTION | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | 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 |
| 70232-X88 SEE NOTE 11 LEAD FREE OPTION | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | 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 |
| 70232-X73 SEE NOTE 11 LEAD FREE OPTION | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | 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 |
| 70232-X77 SEE NOTE 11 LEAD FREE OPTION | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | 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 |
| 70232-X81 SEE NOTE 11 LEAD FREE OPTION | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 |
| | 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 |
| 70232-X85 SEE NOTE 11 LEAD FREE OPTION | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | 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 |
| 70232-X89 SEE NOTE 11 LEAD FREE OPTION | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| | | | | | | | | |
|-------------|----------------|----------------------|------------------------|--------------|-----------|----------------|-------|-----|
| dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 |
| eng | Andy Lu | 2013/02/06 | | | ecn no | ELX-DG-13988-1 | | |
| chr | Sun Richard | 2013/02/27 | | | rel level | Released | | |
| appr | Pei-Ming Zheng | 2013/02/28 | product family | METRAL | rev | AN | | |
| | title | METRAL SIGNAL HEADER | | | dwg no | 70232 | | |
| www.fci.com | cat. no. | - | Product - Customer Drw | sheet 6 of 8 | | | | |



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| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X90 | D | 12 | 12 | 12 | 12 | 12 | 12 |
| SEE NOTE 11 LEAD FREE OPTION | 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. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X94 | D | 10 | 10 | 10 | 10 | 10 | 10 |
| SEE NOTE 11 LEAD FREE OPTION | 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. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X98 | D | 9 | 9 | 9 | 9 | 9 | 9 |
| SEE NOTE 11 LEAD FREE OPTION | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 11 | 11 | 11 | 11 | 11 | 11 |
| | A | 9 | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X91 | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 11 LEAD FREE OPTION | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X95 | D | 10 | 10 | 10 | 10 | 10 | 10 |
| SEE NOTE 11 LEAD FREE OPTION | 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. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X99 | D | 11 | 11 | 11 | 11 | 11 | 11 |
| SEE NOTE 11 LEAD FREE OPTION | 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. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X92 | D | 10 | 10 | 10 | 10 | 10 | 10 |
| SEE NOTE 11 LEAD FREE OPTION | C | 12 | 12 | 12 | 12 | 12 | 12 |
| | B | 12 | 12 | 12 | 12 | 12 | 12 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X96 | D | 21 | 21 | 21 | 21 | 21 | 21 |
| SEE NOTE 11 LEAD FREE OPTION | C | 9 | 9 | 9 | 9 | 9 | 9 |
| | B | 9 | 9 | 9 | 9 | 9 | 9 |
| | A | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X100 | D | 4 | 3 | 3 | 3 | 3 | 4 |
| SEE NOTE 11 LEAD FREE OPTION | C | 4 | 3 | 3 | 3 | 3 | 4 |
| | B | 4 | 3 | 3 | 3 | 3 | 4 |
| | A | 4 | 3 | 3 | 3 | 3 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X93 | D | 10 | 10 | 10 | 10 | 10 | 10 |
| SEE NOTE 11 LEAD FREE OPTION | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 10 | 10 | 10 | 10 | 10 | 10 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X97 | D | 10 | 10 | 10 | 10 | 10 | 10 |
| SEE NOTE 11 LEAD FREE OPTION | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---------------------------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X101 | D | 8 | 7 | 7 | 7 | 7 | 8 |
| SEE NOTE 11 LEAD FREE OPTION | C | 8 | 7 | 7 | 7 | 7 | 8 |
| | B | 8 | 7 | 7 | 7 | 7 | 8 |
| | A | 8 | 7 | 7 | 7 | 7 | 8 |

| | | | | | | | | | |
|-------------|----------------|------------|----------------|--------|----------------------|----------------|------------------------|-----|--------------|
| dr | Terran Huang | 2010/07/08 | projection | mm | size | A4 | scale | 1:1 | |
| eng | Andy Lu | 2013/02/06 | | | ecn no | ELX-DG-13988-1 | | | |
| chr | Sun Richard | 2013/02/27 | | | rel level | Released | | | |
| appr | Pei-Ming Zheng | 2013/02/28 | product family | METRAL | | rev | AN | | |
| | | title | | | METRAL SIGNAL HEADER | | dwg no | | 70232 |
| www.fci.com | | cat. no. | | | - | | Product - Customer Drw | | sheet 7 of 8 |

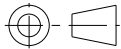


PRODUCT NUMBER

70232-XYX

70232-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:
70232 -XYX IS SnPb
70232-XYXLF 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-20-073
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-22-008.
11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 70232-X01LF
12. 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.

| | | | | | | | | |
|---|----------------|------------------------|---|---|------------------------|----------------|--------------|-----------|
| dr | Terran Huang | 2010/07/08 | projection  | mm  | size | A4 | scale | 1:1 |
| eng | Andy Lu | 2013/02/06 | | | ecn no | ELX-DG-13988-1 | | |
| chr | Sun Richard | 2013/02/27 | | | product family | METRAL | | rel level |
| appr | Pei-Ming Zheng | 2013/02/28 | | | rev | 70232 | AN | |
|  | | title | | | METRAL SIGNAL HEADER | | cat. no. | |
| www.fci.com | | I MOD, 4 ROW PRESS-FIT | | | Product - Customer Drw | | sheet 8 of 8 | |

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