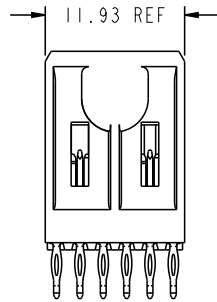
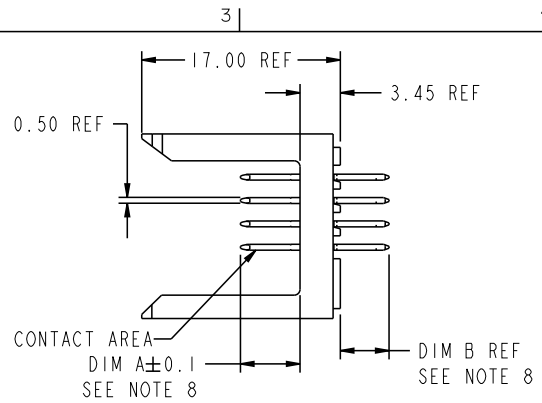
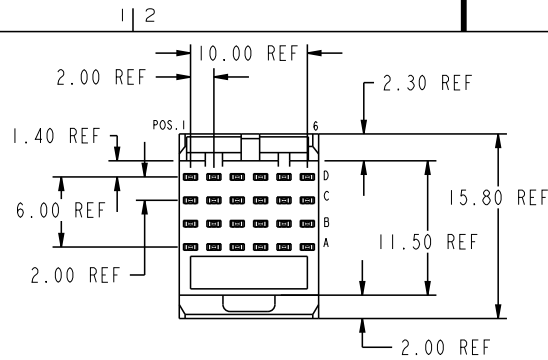


| |
|----------------|
| PRODUCT NUMBER |
| 70232-XYX |
| 70232-XYXLF |



| PLATING IN CONTACT AREA | | |
|-------------------------|-----------------------------------|-------------|
| DASH NUMBER | PERFORMANCE LEVEL | NOTES |
| -Ayy | TELCORDIA CO | SEE NOTE 9 |
| -N1yy | TELCORDIA CO (NXT) | - |
| -N5yy | TELCORDIA UE (NXT) | - |
| -1yy | TELCORDIA CO | - |
| -2yy | TELECOM CLASS | - |
| -3yy | IEC CLASS I | - |
| -5yy | TELCORDIA UE | - |
| -AYXLF | TELCORDIA CO | SEE NOTE 10 |
| -N1YXLF | TELCORDIA CO (NXT) IEC CLASS I | SEE NOTE 10 |
| -N5YXLF | TELCORDIA UE (NXT) | SEE NOTE 10 |
| -1YXLF | TELCORDIA CO IEC CLASS I | SEE NOTE 10 |
| -2YXLF | TELECOM CLASS | SEE NOTE 10 |
| -5YXLF | TELCORDIA UE | SEE NOTE 10 |

| | | | | | | | | | | | |
|------------|-----------|-----|------------|---------------------------------------|------------|------------|----------------|----------|----------------------|-----|--|
| mat'l code | | | | tolerances unless otherwise specified | | | | CUSTOMER | | FCJ | |
| ltr | ecm no. | dr | date | linear | 0.X ±0.3 | projection | COPY | | www.fciconnect.com | | |
| AL | V06-0498 | DCH | 2006-05-31 | | 0.XX ±0.13 | | title | | METRAL SIGNAL HEADER | | |
| AM | DG09-0256 | TER | 2009-08-19 | | .XXX ±.051 | | product family | | METRAL | | |
| - | - | - | - | angles | ∠ ±2° | | size | | dwg no | | |
| AG | V04-0554 | TAB | 06/07/04 | dr | T.BRUNGARD | 11/19/99 | scale | | 70232 | | |
| AH | V05-0079 | HTB | 02/03/05 | engr | M.STRAWER | 11/19/99 | sheet | | 213 | | |
| AJ | V05-0359 | DAI | 04/21/05 | chr | M.STRAWER | 11/19/99 | sheet | | 1 of 8 | | |
| AK | V05-1030 | LP | 11/18/05 | oppd | M.STRAWER | 02/29/00 | sheet | | 1 of 8 | | |
| sheet | revision | AM | AM | AM | AM | AM | AM | AM | AM | AM | |
| index | sheet | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |

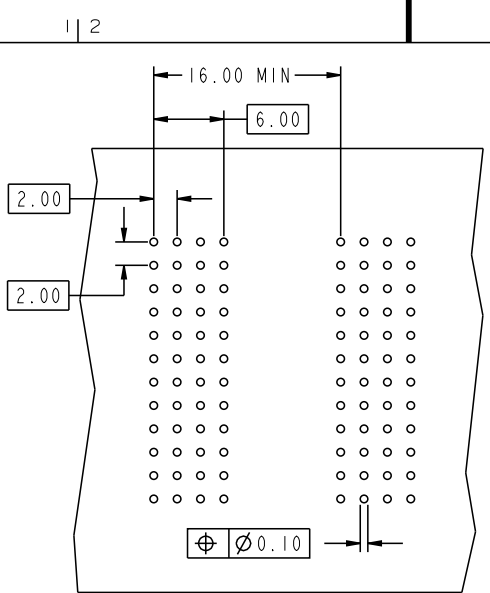
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REV E - 2006-04-18

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| 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

| | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|---------------------|------------|----------------------------|-----|-------|
| mat'l code | | | | tolerances unless otherwise specified | | CUSTOMER | | FCI | |
| ltr | ech no. | dr | date | linear | 0.X ±0.3 | projection | www.fciconnect.com | | |
| AM | | | | | 0.XX ±0.13 | | title METRAL SIGNAL HEADER | | |
| | | | | angles | .XXX ±.051 | | I MOD, 4 ROW PRESS-FIT | | |
| | | | | | ∅ ±2° | | product family METRAL | | code |
| | | | | dr | T.BRUNGARD 11/19/99 | | size | | 213 |
| | | | | eng | M.STRAWER 11/19/99 | | dwg no | | 2 |
| | | | | chr | M.STRAWER 11/19/99 | | A | | 70232 |
| | | | | appd | M.STRAWER 02/29/00 | scale | 1:1 | | |
| sheet index | revision sheet | | | | | | | | |

code code 22526

PDM: Rev:AM STATUS:Released Printed: Jan 17, 2011



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| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X10 SEE NOTE 11 LEAD FREE OPTION | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X14 SEE NOTE 11 LEAD FREE OPTION | D | 4 | 4 | 4 | 4 | 4 | 4 |
| | 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 SEE NOTE 11 LEAD FREE OPTION | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | 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 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 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X26 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 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X11 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X15 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X19 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X23 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 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X27 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 | 5 | 5 | 5 | 5 | 5 | 5 |

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

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X20 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X24 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 | 8 | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X28 SEE NOTE 11 LEAD FREE OPTION | D | 7 | 7 | 7 | 7 | 7 | 7 |
| | 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 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 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X17 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 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X21 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 | 5 | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|---|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X25 SEE NOTE 11 LEAD FREE OPTION | 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 |
| 70232-X29 SEE NOTE 11 LEAD FREE OPTION | 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 |

| | | | | | | | | | |
|-------------|----------|-------|------|---------------------------------------|---------------------|------------|------------------------|----------------------|-------|
| mat'l code | | -- | | tolerances unless otherwise specified | | CUSTOMER | | FCI | |
| lfr | ecn no. | dr | date | linear | 0.X ±0.3 | projection | copy | www.fciconnect.com | |
| AM | | | | angles | 0.XX ±0.13 | | title | METRAL SIGNAL HEADER | |
| | | | | | .XXX ±.051 | | I MOD, 4 ROW PRESS-FIT | | |
| | | | | dr | T.BRUNGARD 11/19/99 | MM | product family | METRAL | code |
| | | | | engr | M.STRAWNER 11/19/99 | scale | size | dwg no | 213 |
| | | | | chr | M.STRAWNER 11/19/99 | 1:1 | 70232 | | sheet |
| | | | | appd | M.STRAWNER 02/29/00 | | | | 3 |
| sheet index | revision | sheet | | | | | | | |



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| METRAL P/N | | CONTACT CODE MOD. I | | | | | |
|------------------------------|---|---------------------|----|----|----|----|--|
| ROW | 1 | 2 | 3 | 4 | 5 | 6 | |
| 70232-X30 | D | 9 | 9 | 9 | 9 | 9 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 10 | 10 | 10 | 10 | 10 | |
| | B | 10 | 10 | 10 | 10 | 10 | |
| | A | 11 | 11 | 11 | 11 | 11 | |

| | | | | | | | | | |
|-------------|----------|-------|------|---------------------------------------|----------------------|----------------|--------------------|------------------------|-----|
| mat'l code | | -- | | tolerances unless otherwise specified | | CUSTOMER | | FCI | |
| lfr | ecn no. | dr | date | linear | 0.X ±0.3 | COPY | www.fciconnect.com | title | |
| AM | | | | angles | .XXX ±.051 | projection | | METRAL SIGNAL HEADER | |
| | | | | dr | 0° ±2° | | | I MOD, 4 ROW PRESS-FIT | |
| | | | | eng | T. BRUNGARD 11/19/99 | product family | METRAL | code | 213 |
| | | | | chr | M. STRAWSER 11/19/99 | size | dwg no | sheet | 4 |
| | | | | appd | M. STRAWSER 02/29/00 | scale | 70232 | sheet | 4 |
| sheet index | revision | sheet | | | | | | | |



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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 |

| | | | | | | | | | |
|-------------|----------|----|------|---------------------------------------|----------------------|------------|----------------|----------------------|--|
| mat'l code | | -- | | tolerances unless otherwise specified | | CUSTOMER | | FCI | |
| lfr | ecm no. | dr | date | linear | 0.X ±0.3 | projection | COPY | www.fciconnect.com | |
| AM | | | | angles | 0.XX ±0.13 | | title | METRAL SIGNAL HEADER | |
| | | | | dr | .XXX ±.051 | | product family | METRAL | |
| | | | | eng | 0° ±2° | MM | size | dwg no | |
| | | | | chr | T. BRUNGARD 11/19/99 | scale | A | 70232 | |
| | | | | appd | M. STRAWSER 11/19/99 | 1:1 | | sheet 5 | |
| sheet index | revision | | | | M. STRAWSER 02/29/00 | | | code 22526 | |
| | sheet | | | | | | | | |



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| METRAL P/N | | CONTACT CODE MOD. I | | | | | |
|------------------------------|---|---------------------|----|----|----|----|--|
| ROW | 1 | 2 | 3 | 4 | 5 | 6 | |
| 70232-X70 | D | 4 | 4 | 4 | 4 | 4 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | |
| | B | 2 | 2 | 2 | 2 | 2 | |
| | A | 2 | 2 | 2 | 2 | 2 | |
| 70232-X71 | D | 3 | 3 | 3 | 3 | 3 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 3 | 3 | 3 | 3 | 3 | |
| | B | 1 | 1 | 1 | 1 | 1 | |
| | A | 3 | 3 | 3 | 3 | 3 | |
| 70232-X72 | D | 2 | 2 | 2 | 2 | 2 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 4 | 4 | 4 | 4 | 4 | |
| | B | 4 | 4 | 4 | 4 | 4 | |
| | A | 19 | 19 | 19 | 19 | 19 | |
| 70232-X73 | D | 2 | 2 | 2 | 2 | 2 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 3 | 3 | 3 | 3 | 3 | |
| | B | 2 | 2 | 2 | 2 | 2 | |
| | A | 3 | 3 | 3 | 3 | 3 | |
| 70232-X74 | D | 2 | 2 | 2 | 2 | 2 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 3 | 3 | 3 | 3 | 3 | |
| | B | 3 | 3 | 3 | 3 | 3 | |
| | A | 3 | 3 | 3 | 3 | 3 | |
| 70232-X75 | D | 2 | 2 | 2 | 2 | 2 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | |
| | B | 2 | 2 | 2 | 2 | 2 | |
| | A | 3 | 3 | 3 | 3 | 3 | |
| 70232-X76 | D | 19 | 19 | 19 | 19 | 19 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 1 | 1 | 1 | 1 | 1 | |
| | B | 1 | 1 | 1 | 1 | 1 | |
| | A | 19 | 19 | 19 | 19 | 19 | |
| 70232-X77 | D | 2 | 2 | 2 | 2 | 2 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 3 | 3 | 3 | 3 | 3 | |
| | B | 19 | 19 | 19 | 19 | 19 | |
| | A | 3 | 3 | 3 | 3 | 3 | |
| 70232-X78 | D | 1 | 1 | 1 | 1 | 1 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 1 | 1 | 1 | 1 | 1 | |
| | B | 3 | 3 | 3 | 3 | 3 | |
| | A | 1 | 1 | 1 | 1 | 1 | |
| 70232-X79 | D | 3 | 3 | 3 | 3 | 3 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 2 | 2 | 2 | 2 | 2 | |
| | B | 2 | 2 | 2 | 2 | 2 | |
| | A | 2 | 2 | 2 | 2 | 2 | |
| 70232-X80 | D | 8 | 8 | 8 | 8 | 8 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 6 | 6 | 6 | 6 | 6 | |
| | B | 6 | 6 | 6 | 6 | 6 | |
| | A | 6 | 6 | 6 | 6 | 6 | |
| 70232-X81 | D | 7 | 7 | 7 | 7 | 7 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 7 | 7 | 7 | 7 | 7 | |
| | B | 5 | 5 | 5 | 5 | 5 | |
| | A | 7 | 7 | 7 | 7 | 7 | |
| 70232-X82 | D | 6 | 6 | 6 | 6 | 6 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 8 | 8 | 8 | 8 | 8 | |
| | B | 8 | 8 | 8 | 8 | 8 | |
| | A | 20 | 20 | 20 | 20 | 20 | |
| 70232-X83 | D | 6 | 6 | 6 | 6 | 6 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 7 | 7 | 7 | 7 | 7 | |
| | B | 6 | 6 | 6 | 6 | 6 | |
| | A | 7 | 7 | 7 | 7 | 7 | |
| 70232-X84 | D | 6 | 6 | 6 | 6 | 6 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 7 | 7 | 7 | 7 | 7 | |
| | B | 7 | 7 | 7 | 7 | 7 | |
| | A | 7 | 7 | 7 | 7 | 7 | |
| 70232-X85 | D | 6 | 6 | 6 | 6 | 6 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 6 | 6 | 6 | 6 | 6 | |
| | B | 6 | 6 | 6 | 6 | 6 | |
| | A | 7 | 7 | 7 | 7 | 7 | |
| 70232-X86 | D | 20 | 20 | 20 | 20 | 20 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 5 | 5 | 5 | 5 | 5 | |
| | B | 5 | 5 | 5 | 5 | 5 | |
| | A | 20 | 20 | 20 | 20 | 20 | |
| 70232-X87 | D | 6 | 6 | 6 | 6 | 6 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 7 | 7 | 7 | 7 | 7 | |
| | B | 20 | 20 | 20 | 20 | 20 | |
| | A | 7 | 7 | 7 | 7 | 7 | |
| 70232-X88 | D | 5 | 5 | 5 | 5 | 5 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 5 | 5 | 5 | 5 | 5 | |
| | B | 7 | 7 | 7 | 7 | 7 | |
| | A | 5 | 5 | 5 | 5 | 5 | |
| 70232-X89 | D | 7 | 7 | 7 | 7 | 7 | |
| SEE NOTE 11 LEAD FREE OPTION | C | 6 | 6 | 6 | 6 | 6 | |
| | B | 6 | 6 | 6 | 6 | 6 | |
| | A | 6 | 6 | 6 | 6 | 6 | |

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| mat'l code | | -- | | tolerances unless otherwise specified | | CUSTOMER | | FCI | |
| lfr | ecn no. | dr | date | linear | 0.X ±0.3 | projection | title | www.fciconnect.com | |
| AM | | | | angles | 0.XX ±0.13 | | METRAL SIGNAL HEADER | | |
| | | | | | .XXX ±.051 | | product family | METRAL | code |
| | | | | dr | T.BRUNGARD 11/19/99 | scale | 70232 | sheet | 6 |
| | | | | eng | M.STRANSER 11/19/99 | size | A | | |
| | | | | chr | M.STRANSER 11/19/99 | | | | |
| | | | | appd | M.STRANSER 02/29/00 | | | | |
| sheet index | revision | sheet | | | | | | | |

REV 1 - 2006-04-18

PDM: Rev:AM STATUS:Released Printed: Jan 17, 2011



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

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | |
|---|-----|---------------------|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 70232-X99 SEE NOTE 11 LEAD FREE OPTION | D | 11 | 11 | 11 | 11 | 11 | 11 |
| | 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 SEE NOTE 11 LEAD FREE OPTION | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | 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 SEE NOTE 11 LEAD FREE OPTION | D | 21 | 21 | 21 | 21 | 21 | 21 |
| | 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-X93 SEE NOTE 11 LEAD FREE OPTION | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | 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 SEE NOTE 11 LEAD FREE OPTION | D | 10 | 10 | 10 | 10 | 10 | 10 |
| | C | 11 | 11 | 11 | 11 | 11 | 11 |
| | B | 21 | 21 | 21 | 21 | 21 | 21 |
| | A | 11 | 11 | 11 | 11 | 11 | 11 |

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|-------------|----------------|---------------------------------------|------|----------|----------------------|----------------|------------------------|
| mat'l code | | tolerances unless otherwise specified | | CUSTOMER | | FCI | |
| lfr | ecm no. | dr | date | linear | 0.X ± 0.3 | projection | www.fciconnect.com |
| AM | | | | linear | 0.XX ± 0.13 | projection | title |
| | | | | angles | .XXX ± .051 | MM | METRAL SIGNAL HEADER |
| | | | | dr | 0° ± 2° | MM | 1 MOD, 4 ROW PRESS-FIT |
| | | | | engr | T. BRUNGARD 11/19/99 | product family | METRAL |
| | | | | chr | M. STRAWSER 11/19/99 | size | dwg no |
| | | | | appd | M. STRAWSER 02/29/00 | scale | 70232 |
| sheet index | revision sheet | | | | | 1:1 | code |
| | | | | | | | 213 |
| | | | | | | | 7 |

REV E - 2006-04-18

PDM: Rev:AM

STATUS:Released

Printed: Jan 17, 2011

code code 22526

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| |
|----------------|
| 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.)-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.

| | | | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|----------------------|----------|--|----------------|--|------------------------|--|
| mat'l code | | | | tolerances unless otherwise specified | | CUSTOMER | | FCJ | | www.fciconnect.com | |
| ltr | ecn no. | dr | date | linear | 0, X ±0,3 | COPY | | projection | | title | |
| AM | | | | | 0, XX ±0,13 | COPY | | | | METRAL SIGNAL HEADER | |
| | | | | angles | .XXX ±.051 | | | | | 1 MOD, 4 ROW PRESS-FIT | |
| | | | | dr | 0° ±2° | | | product family | | METRAL | |
| | | | | eng | T. BRUNGARD 11/19/99 | | | size | | 213 | |
| | | | | chr | M. STRAWSER 11/19/99 | scale | | dwg no | | sheet | |
| | | | | oppd | M. STRAWSER 02/29/00 | 1:1 | | 70232 | | 8 | |
| sheet index | revision sheet | | | | | | | | | | |

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REV E - 2006-04-18

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Pro/E

cage code 22526

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