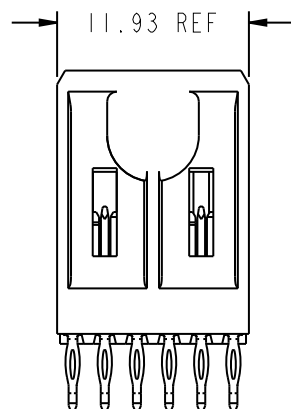
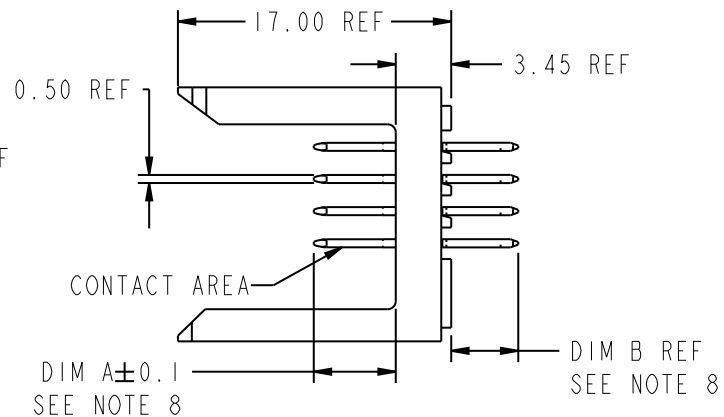
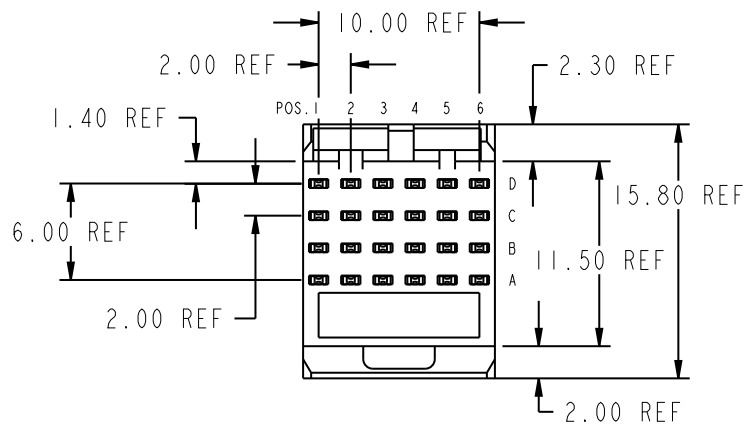


| PRODUCT NUMBER |
|----------------|
| 70218-XY       |
| 70218-XYLF     |



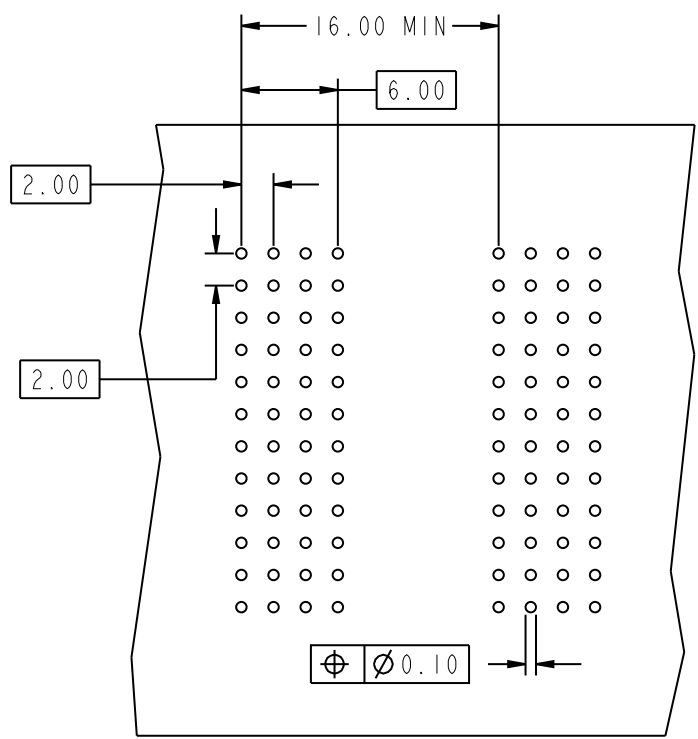
| PLATING IN CONTACT AREA |                                   |             |
|-------------------------|-----------------------------------|-------------|
| DASH NUMBER             | PERFORMANCE LEVEL                 | NOTES       |
| -A                      | TELCORDIA CO                      | SEE NOTE 9  |
| -N                      | TELCORDIA CO (NXT)                | -           |
| -N                      | TELCORDIA UE (NXT)                | -           |
| -I                      | TELCORDIA CO                      | -           |
| -2                      | TELECOM CLASS                     | -           |
| -3                      | IEC CLASS I                       | -           |
| -5                      | TELCORDIA UE                      | -           |
| -A                      | TELCORDIA CO                      | SEE NOTE 10 |
| -N                      | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -N                      | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -I                      | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2                      | TELECOM CLASS                     | SEE NOTE 10 |
| -5                      | TELCORDIA UE                      | SEE NOTE 10 |

| rev | ec        | no   | dr         | date |
|-----|-----------|------|------------|------|
| BR  | Y06-0498  | DCH  | 2006-05-31 |      |
| BS  | DG08-0246 | CENH | 2008-9-12  |      |
| BT  | DG08-0188 | TER  | 2008-11-25 |      |
| BU  | DG08-0346 | CENH | 2008-12-12 |      |
| BV  | DG09-0256 | TER  | 2009-08-19 |      |
| BW  | DG09-0366 | TER  | 2009-11-24 |      |
| BX  | DG11-0020 | TER  | 2011-01-13 |      |

|                    |            |                                       |                  |            |              |
|--------------------|------------|---------------------------------------|------------------|------------|--------------|
| www.fciconnect.com |            | surface 3.200                         | tolerance std    | projection | mm           |
|                    |            | ISO 1302                              | ISO 406 ISO 1101 |            |              |
|                    |            | TOLERANCES UNLESS OTHERWISE SPECIFIED |                  |            |              |
| Dr                 | T.BRUNGARD | 01/24/00                              | ANGULAR          | size A4    | Scale 53:50  |
| Eng                | M.STRAWSER | 01/24/00                              | LINEAR           |            |              |
| Chr                | M.STRAWSER | 01/24/00                              | 0° ±2°           |            |              |
| Appr               | M.STRAWSER | 02/29/00                              | Product family   | METRAL     | Spec ref *   |
| FCI                |            | title                                 |                  | dwg no     | Rev.         |
|                    |            | METRAL SIGNAL HEADER                  |                  | 70218      | BX           |
|                    |            | I MOD, 4 ROW PRESS-FIT                |                  |            |              |
|                    |            | catalog no                            |                  | CUSTOMER   | sheet 1 of 7 |



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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        |
| 11   | 6.50         | 17.00        |
| 12   | 7.25         | 17.00        |
| 13   | 8.25         | 4.30         |
| 14   | 8.25         | 13.60        |
| 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

|                    |            |          |                                                         |        |                                   |       |                  |                  |              |
|--------------------|------------|----------|---------------------------------------------------------|--------|-----------------------------------|-------|------------------|------------------|--------------|
| www.fciconnect.com |            |          | surface3.200<br>ISO 1302                                |        | tolerance std<br>ISO 406 ISO 1101 |       | projection<br>mm |                  |              |
|                    |            |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                   |        |                                   |       |                  |                  |              |
| Dr                 | T.BRUNGARD | 01/24/00 | ANGULAR                                                 | LINEAR | 0.X                               | ±0.3  | size<br>A4       | Scale<br>213:100 |              |
| Eng                | M.STRAWSER | 01/24/00 |                                                         |        | 0.XX                              | ±0.13 |                  |                  |              |
| Chr                | M.STRAWSER | 01/24/00 |                                                         |        | 0.XXX                             | ±.051 |                  |                  |              |
| Appr               | M.STRAWSER | 02/29/00 | Product family                                          |        | METRAL                            |       | Spec ref *       |                  |              |
| FCI                |            |          | title<br>METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |        |                                   |       | dwg no<br>70218  |                  | Rev.<br>BX   |
|                    |            |          | catalog no                                              |        |                                   |       | CUSTOMER         |                  | sheet 2 of 7 |



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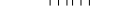
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X01<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | -  | 3  | -  | 1  |
|                                                 | C   | 19                     | 19 | -  | 3  | -  | -  |
|                                                 | B   | 19                     | 19 | -  | 3  | -  | 1  |
|                                                 | A   | 19                     | 19 | -  | 3  | -  | 1  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X02<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2  | 2  | 2  | 2  | 3  |
|                                                 | C   | 2                      | 2  | 2  | 2  | 2  | 3  |
|                                                 | B   | 2                      | 2  | 2  | 2  | 2  | 3  |
|                                                 | A   | 2                      | 2  | 2  | 2  | 2  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X03<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | C   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | B   | 3                      | 3  | 4  | 4  | 3  | 3  |
|                                                 | A   | 3                      | 3  | 3  | 3  | 3  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X04<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | C   | 3                      | 3  | 4  | 4  | 3  | 3  |
|                                                 | B   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | A   | 3                      | 3  | 3  | 3  | 3  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X05<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | C   | 3                      | 3  | 4  | 4  | 3  | 3  |
|                                                 | B   | 4                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | A   | 4                      | 3  | 3  | 3  | 3  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X06<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | C   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | B   | 4                      | 3  | 4  | 4  | 3  | 3  |
|                                                 | A   | 4                      | 3  | 3  | 3  | 3  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X07<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3  | 3  | 3  | 2  | 1  |
|                                                 | C   | 19                     | 3  | 3  | 3  | 2  | 1  |
|                                                 | B   | 19                     | 3  | 3  | 3  | 2  | 1  |
|                                                 | A   | 19                     | 3  | 3  | 3  | 2  | 1  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X08<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3  | 3  | 3  | 3  | 3  |
|                                                 | C   | 19                     | 3  | 3  | 3  | 3  | 3  |
|                                                 | B   | 19                     | 3  | 3  | 3  | 3  | 3  |
|                                                 | A   | 19                     | 3  | 3  | 3  | 3  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X09<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3  | 19 | 4  | 3  | 3  |
|                                                 | C   | 3                      | 3  | 19 | 4  | 3  | 3  |
|                                                 | B   | 3                      | 3  | 19 | 4  | 3  | 3  |
|                                                 | A   | 3                      | 3  | 19 | 4  | 3  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X10<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | -  | 3  | -  | 1  |
|                                                 | C   | 19                     | 19 | -  | 3  | -  | 1  |
|                                                 | B   | 19                     | 19 | -  | 3  | -  | 1  |
|                                                 | A   | 19                     | 19 | -  | 3  | -  | 1  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X11<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | -  | -  | -  | 1  | -  |
|                                                 | C   | 1                      | -  | -  | -  | 1  | -  |
|                                                 | B   | 1                      | -  | -  | -  | 1  | -  |
|                                                 | A   | 1                      | -  | -  | -  | 1  | -  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X12<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 13                     | 13 | 13 | 13 | -  | -  |
|                                                 | C   | 13                     | 13 | 13 | -  | -  | -  |
|                                                 | B   | 13                     | 13 | 13 | -  | -  | 13 |
|                                                 | A   | 13                     | 13 | 13 | -  | -  | 13 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X13<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 14                     | 14 | 14 | 14 | -  | -  |
|                                                 | C   | 14                     | 14 | 14 | -  | -  | -  |
|                                                 | B   | 14                     | 14 | 14 | -  | -  | 14 |
|                                                 | A   | 14                     | 14 | 14 | -  | -  | 14 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X14<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | 19 | 19 | -  | -  |
|                                                 | C   | 19                     | 19 | 19 | -  | -  | -  |
|                                                 | B   | 19                     | 19 | 19 | -  | -  | 19 |
|                                                 | A   | 19                     | 19 | 19 | -  | -  | 19 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X15<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                     | 20 | 20 | 20 | -  | -  |
|                                                 | C   | 20                     | 20 | 20 | -  | -  | -  |
|                                                 | B   | 20                     | 20 | 20 | -  | -  | 20 |
|                                                 | A   | 20                     | 20 | 20 | -  | -  | 20 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X16<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | -  | -  | -  | 2  | -  |
|                                                 | C   | 2                      | -  | -  | -  | 2  | -  |
|                                                 | B   | 2                      | -  | -  | -  | 2  | -  |
|                                                 | A   | 2                      | -  | -  | -  | 2  | -  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X17<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1  | 1  | 3  | 3  | 3  |
|                                                 | C   | 13                     | 13 | 13 | 13 | 13 | 13 |
|                                                 | B   | 13                     | 13 | 13 | 13 | 13 | 13 |
|                                                 | A   | 13                     | 13 | 13 | 13 | 13 | 13 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X18<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2  | 2  | 2  | 2  | 2  |
|                                                 | C   | 2                      | 2  | 2  | 2  | 2  | 2  |
|                                                 | B   | 2                      | 2  | 1  | 2  | 2  | 2  |
|                                                 | A   | 2                      | 2  | 2  | 2  | 2  | 2  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X19<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | C   | 3                      | 3  | 3  | 3  | 3  | 3  |
|                                                 | B   | 3                      | 3  | 1  | 3  | 3  | 3  |
|                                                 | A   | 3                      | 3  | 3  | 3  | 3  | 3  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X20<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4  | 19 | 19 | 19 | 19 |
|                                                 | C   | 4                      | 4  | 19 | 19 | 19 | 19 |
|                                                 | B   | 4                      | 4  | 19 | 19 | 19 | 19 |
|                                                 | A   | 4                      | 4  | 19 | 19 | 19 | 19 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X21<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 4  | 4  | 4  | 4  | 19 |
|                                                 | C   | 1                      | 4  | 4  | 4  | 4  | 19 |
|                                                 | B   | 3                      | 4  | 4  | 4  | 4  | 19 |
|                                                 | A   | 3                      | 4  | 4  | 4  | 4  | 19 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X22<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4  | 4  | 4  | 2  | 2  |
|                                                 | C   | 4                      | 4  | 4  | 4  | 2  | 2  |
|                                                 | B   | 4                      | 4  | 4  | 4  | 2  | 2  |
|                                                 | A   | 4                      | 4  | 4  | 4  | 2  | 2  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X23<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2  | 4  | 4  | 4  | 4  |
|                                                 | C   | 2                      | 2  | 4  | 4  | 4  | 4  |
|                                                 | B   | 2                      | 2  | 4  | 4  | 4  | 4  |
|                                                 | A   | 2                      | 2  | 4  | 4  | 4  | 4  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X24<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1  | 2  | 2  | 1  | 1  |
|                                                 | C   | 1                      | 1  | 2  | 1  | 1  | 1  |
|                                                 | B   | 1                      | 1  | 2  | 1  | 1  | 1  |
|                                                 | A   | 1                      | 1  | 2  | 1  | 1  | 1  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X25<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | -  | 2  | 2  | -  | -  |
|                                                 | C   | 2                      | -  | -  | -  | -  | -  |
|                                                 | B   | -                      | -  | -  | -  | 2  | -  |
|                                                 | A   | 2                      | 2  | -  | -  | 2  | -  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X26<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2  | 2  | 2  | 2  | 2  |
|                                                 | C   | 2                      | 2  | 2  | 2  | 2  | 2  |
|                                                 | B   | 2                      | 2  | 2  | 2  | 2  | 1  |
|                                                 | A   | 2                      | 2  | 2  | 2  | 2  | 2  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X27<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                     | 12 | 21 | 21 | 21 | 21 |
|                                                 | C   | 12                     | 12 | 21 | 21 | 21 | 21 |
|                                                 | B   | 12                     | 12 | 21 | 21 | 21 | 21 |
|                                                 | A   | 12                     | 12 | 21 | 21 | 21 | 21 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X28<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                      | 12 | 12 | 12 | 12 | 21 |
|                                                 | C   | 9                      | 12 | 12 | 12 | 12 | 21 |
|                                                 | B   | 11                     | 12 | 12 | 12 | 12 | 21 |
|                                                 | A   | 11                     | 12 | 12 | 12 | 12 | 21 |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X29<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 2  | 2  | 2  | 2  | 1  |
|                                                 | C   | 2                      | 2  | 2  | 2  | 2  | 2  |
|                                                 | B   | 2                      | 2  | 2  | 2  | 2  | 2  |
|                                                 | A   | 2                      | 2  | 2  | 2  | 2  | 2  |
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 70218-X30<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | -  | -  | -  | -  | -  |
|                                                 | C   | 1                      | 1  | 1  | 1  | 1  | 3  |
|                                                 | B   | 1                      | 1  | 1  | 1  | 1  | 3  |
|                                                 | A   | 1                      | 1  | 1  | 1  | 1  | 3  |

|                    |            |          |                                       |                  |            |    |
|--------------------|------------|----------|---------------------------------------|------------------|------------|----|
| www.fciconnect.com |            |          | surface3.200                          | tolerance std    | projection | mm |
|                    |            |          | ISO 1302                              | ISO 406 ISO 1101 |            |    |
|                    |            |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |                  |            |    |
| Dr                 | T.BRUNGARD | 01/24/00 | ANGULAR                               |                  |            |    |



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|   | METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |   |   |
|---|-------------------------------------------------|-----|------------------------|----|----|----|---|---|
|   |                                                 |     | I                      | 2  | 3  | 4  | 5 | 6 |
| A | 70218-X31<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4  | 3  | 3  | 3 | 3 |
|   |                                                 | C   | 4                      | 4  | 3  | 3  | 3 | 3 |
|   |                                                 | B   | 4                      | 4  | 3  | 3  | 3 | 3 |
|   |                                                 | A   | 4                      | 4  | 3  | 3  | 3 | 3 |
|   | 70218-X32<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3  | 3  | 3  | 4 | 4 |
|   |                                                 | C   | 3                      | 3  | 3  | 3  | 4 | 4 |
|   |                                                 | B   | 3                      | 3  | 3  | 3  | 4 | 4 |
|   |                                                 | A   | 3                      | 3  | 3  | 3  | 4 | 4 |
| B | 70218-X33<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | 19 | 19 | 4 | 4 |
|   |                                                 | C   | 19                     | 19 | 19 | 19 | 4 | 4 |
|   |                                                 | B   | 19                     | 19 | 19 | 19 | 4 | 4 |
|   |                                                 | A   | 19                     | 19 | 19 | 19 | 4 | 4 |
|   | 70218-X34<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 5  | 5  | 5  | 5 | 7 |
|   |                                                 | C   | 7                      | 5  | 5  | 5  | 5 | 7 |
|   |                                                 | B   | 7                      | 5  | 5  | 5  | 5 | 7 |
|   |                                                 | A   | 7                      | 5  | 5  | 5  | 5 | 7 |
| C | 70218-X35<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                      | 7  | 5  | 5  | 5 | 5 |
|   |                                                 | C   | 5                      | 7  | 5  | 5  | 5 | 5 |
|   |                                                 | B   | 5                      | 5  | 5  | 5  | 5 | 5 |
|   |                                                 | A   | 5                      | 5  | 5  | 5  | 5 | 5 |

|                                                                                       |            |          |                                                         |        |                                   |                    |                                                                                                     |  |                                                                                             |                |
|---------------------------------------------------------------------------------------|------------|----------|---------------------------------------------------------|--------|-----------------------------------|--------------------|-----------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------|----------------|
| www.fciconnect.com                                                                    |            |          | surface3.200<br>ISO 1302                                |        | tolerance std<br>ISO 406 ISO 1101 |                    | projection<br> |  | mm<br> |                |
|                                                                                       |            |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                   |        |                                   |                    |                                                                                                     |  |                                                                                             |                |
| Dr                                                                                    | T.BRUNGARD | 01/24/00 | ANGULAR                                                 | LINEAR | 0.X                               |                    | ±0.3                                                                                                |  | size<br>A4                                                                                  | Scale<br>53:50 |
| Eng                                                                                   | M.STRAWSER | 01/24/00 |                                                         |        | 0.XX                              |                    | ±0.13                                                                                               |  |                                                                                             |                |
| Chr                                                                                   | M.STRAWSER | 01/24/00 |                                                         |        | 0.XXX                             |                    | ±.051                                                                                               |  |                                                                                             |                |
| Appr                                                                                  | M.STRAWSER | 02/29/00 | 0°                                                      | ±2°    | ECN                               |                    | *                                                                                                   |  |                                                                                             |                |
| Product family                                                                        |            |          | METRAL                                                  |        |                                   | Spec ref *         |                                                                                                     |  |                                                                                             |                |
|  |            |          | title<br>METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |        |                                   | no<br>dwg<br>70218 |                                                                                                     |  | Rev.<br>BX                                                                                  |                |
|                                                                                       |            |          |                                                         |        |                                   |                    |                                                                                                     |  |                                                                                             |                |
|                                                                                       |            |          | catalog no                                              |        |                                   | CUSTOMER           |                                                                                                     |  | sheet 4 of 7                                                                                |                |
|                                                                                       |            |          |                                                         |        |                                   |                    |                                                                                                     |  |                                                                                             |                |



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| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |    |    |   |   |
|------------------------------|---|---------------------|---|---|----|----|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4  | 5  | 6 |   |
| 70218-X61                    | D | 3                   | 3 | 3 | 19 | 3  | 3 |   |
| SEE NOTE 11 LEAD FREE OPTION | C | 3                   | 3 | 3 | 2  | 19 | 2 | 3 |
|                              | B | 3                   | 3 | 3 | 19 | 3  | 3 |   |
|                              | A | 3                   | 3 | 1 | 19 | 1  | 3 |   |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X66                    | D | 7                   | 6 | 6 | 6 | 6 | 7 |
| SEE NOTE 11 LEAD FREE OPTION | C | 7                   | 6 | 6 | 6 | 6 | 7 |
|                              | B | 7                   | 6 | 6 | 6 | 6 | 7 |
|                              | A | 7                   | 6 | 6 | 6 | 6 | 7 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |   |
| 70218-X71                    | D | -                   | 2 | 3 | 4 | 3 | - | 3 |
| SEE NOTE 11 LEAD FREE OPTION | C | -                   | 3 | 4 | 3 | - | - |   |
|                              | B | -                   | - | 4 | - | 3 | 3 |   |
|                              | A | 3                   | - | 4 | - | 3 | 3 |   |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X76                    | 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 | 1 | 3 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X81                    | D | 6                   | 6 | 6 | 6 | 6 | 5 |
| 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                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X86                    | D | 1                   | 1 | 2 | 2 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 1                   | 1 | 2 | 2 | 2 | 2 |
|                              | B | 1                   | 1 | 2 | 2 | 2 | 2 |
|                              | A | 1                   | 1 | 2 | 2 | 2 | 2 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X62                    | D | 19                  | 2 | 3 | 2 | 3 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | C | 19                  | 3 | 3 | 3 | 3 | 3 |
|                              | B | 19                  | 3 | 3 | 3 | 3 | 3 |
|                              | A | 19                  | 3 | 1 | 3 | 3 | 3 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X67                    | D | 7                   | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 11 LEAD FREE OPTION | C | 7                   | 5 | 5 | 5 | 5 | 5 |
|                              | B | 7                   | 5 | 5 | 5 | 5 | 5 |
|                              | A | 7                   | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X72                    | D | 4                   | 2 | 3 | 3 | 3 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | C | 4                   | 3 | 3 | 3 | 3 | 3 |
|                              | B | 4                   | 3 | 3 | 3 | 3 | 3 |
|                              | A | 4                   | 3 | 1 | 3 | 3 | 3 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X77                    | D | 8                   | 6 | 7 | 7 | 7 | 7 |
| SEE NOTE 11 LEAD FREE OPTION | C | 8                   | 7 | 7 | 7 | 7 | 7 |
|                              | B | 8                   | 7 | 7 | 7 | 7 | 7 |
|                              | A | 8                   | 7 | 5 | 7 | 7 | 7 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X82                    | D | 2                   | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 3                   | 3 | 4 | 3 | 4 | 3 |
|                              | B | 2                   | 2 | 2 | 2 | 2 | 2 |
|                              | A | 2                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X87                    | D | 2                   | 1 | 2 | 1 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 2                   | 2 | 3 | 2 | 2 | 2 |
|                              | B | 2                   | 2 | 2 | 2 | 2 | 2 |
|                              | A | 2                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X63                    | D | 1                   | 1 | - | 1 | 1 | - |
| SEE NOTE 11 LEAD FREE OPTION | C | -                   | - | - | - | - | - |
|                              | B | -                   | - | - | - | - | - |
|                              | A | 1                   | 1 | - | 1 | 1 | - |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X68                    | D | 1                   | 1 | 1 | 3 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | C | 1                   | 1 | 1 | 3 | 1 | 1 |
|                              | B | 1                   | 1 | 1 | 3 | 1 | 1 |
|                              | A | 1                   | 1 | 1 | 3 | 1 | 1 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X73                    | D | -                   | 2 | - | 2 | - | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 2                   | - | 2 | - | 2 | - |
|                              | B | -                   | 2 | - | 2 | - | 2 |
|                              | A | 2                   | - | 2 | - | 2 | - |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X78                    | D | 4                   | 3 | 4 | 2 | 2 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | C | 4                   | 3 | 4 | 2 | 2 | 3 |
|                              | B | 4                   | 3 | 4 | 2 | 2 | 3 |
|                              | A | 4                   | 3 | 4 | 2 | 4 | 3 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X83                    | D | 1                   | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 11 LEAD FREE OPTION | C | 1                   | 2 | 2 | 2 | 2 | 2 |
|                              | B | 1                   | 2 | 2 | 2 | 2 | 2 |
|                              | A | 1                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X64                    | D | 7                   | 5 | 5 | 6 | 6 | 7 |
| SEE NOTE 11 LEAD FREE OPTION | C | 7                   | 5 | 5 | 6 | 6 | 7 |
|                              | B | 7                   | 5 | 5 | 6 | 6 | 7 |
|                              | A | 7                   | 5 | 5 | 6 | 6 | 7 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X69                    | D | 3                   | 1 | 1 | 3 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | C | 3                   | 1 | 1 | 3 | 1 | 1 |
|                              | B | 3                   | 1 | 1 | 3 | 1 | 1 |
|                              | A | 3                   | 1 | 1 | 3 | 1 | 1 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X74                    | D | 4                   | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | C | 4                   | 3 | 3 | 3 | 3 | 3 |
|                              | B | 4                   | 3 | 3 | 3 | 3 | 3 |
|                              | A | 4                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X79                    | D | 4                   | 3 | 4 | 2 | 2 | 4 |
| SEE NOTE 11 LEAD FREE OPTION | C | 4                   | 3 | 4 | 2 | 2 | 2 |
|                              | B | 4                   | 3 | 4 | 2 | 2 | 2 |
|                              | A | 4                   | 3 | 4 | 2 | 2 | 2 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X84                    | D | 2                   | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | C | 2                   | 1 | 1 | 1 | 1 | 1 |
|                              | B | 2                   | 1 | 1 | 1 | 1 | 1 |
|                              | A | 2                   | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X65                    | D | 3                   | 1 | 1 | 2 | 2 | 3 |
| SEE NOTE 11 LEAD FREE OPTION | C | 3                   | 1 | 1 | 2 | 2 | 3 |
|                              | B | 3                   | 1 | 1 | 2 | 2 | 3 |
|                              | A | 3                   | 1 | 1 | 2 | 2 | 3 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X70                    | 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 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X75                    | 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 | 5 | 7 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X80                    | 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 | 4 | 4 | 3 | 3 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X85                    | D | 1                   | 1 | 1 | 1 | 2 | 1 |
| SEE NOTE 11 LEAD FREE OPTION | C | 1                   | 1 | 1 | 1 | 4 | 1 |
|                              | B | 1                   | 1 | 1 | 1 | 2 | 1 |
|                              | A | 1                   | 1 | 1 | 1 | 2 | 1 |

| METRAL P/N                   |   | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------|---|---------------------|---|---|---|---|---|
| ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70218-X90                    | D | 1                   | 1 | 3 | 2 | 1 | 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 |

|                                                                                       |            |          |                                       |        |                                   |  |                                                                                                     |                |                                                                                             |  |                 |            |
|---------------------------------------------------------------------------------------|------------|----------|---------------------------------------|--------|-----------------------------------|--|-----------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------|--|-----------------|------------|
| www.fciconnect.com                                                                    |            |          | surface3.200<br>ISO 1302              |        | tolerance std<br>ISO 406 ISO 1101 |  | projection<br> |                | mm<br> |  |                 |            |
|                                                                                       |            |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |                                   |  |                                                                                                     |                |                                                                                             |  |                 |            |
| Dr                                                                                    | T.BRUNGARD | 01/24/00 | ANGULAR                               | LINEAR | 0.X<br>±0.3                       |  | size<br>A4                                                                                          | Scale<br>53:50 |                                                                                             |  |                 |            |
| Eng                                                                                   | M.STRAWSER | 01/24/00 |                                       |        | 0.XX<br>±0.13                     |  |                                                                                                     |                |                                                                                             |  |                 |            |
| Chr                                                                                   | M.STRAWSER | 01/24/00 |                                       |        | 0.XXX<br>±.051                    |  |                                                                                                     |                |                                                                                             |  |                 |            |
| Appr                                                                                  | M.STRAWSER | 02/29/00 | 0°<br>±2°                             |        | ECN                               |  | *                                                                                                   |                |                                                                                             |  |                 |            |
|                                                                                       |            |          | Product family                        |        |                                   |  | METRAL                                                                                              |                | Spec ref *                                                                                  |  |                 |            |
|  |            |          | title                                 |        |                                   |  | METRAL SIGNAL HEADER                                                                                |                |                                                                                             |  | dwg no<br>70218 | Rev.<br>BX |
|                                                                                       |            |          | I MOD, 4 ROW PRESS-FIT                |        |                                   |  |                                                                                                     |                |                                                                                             |  |                 |            |
|                                                                                       |            |          | catalog no                            |        |                                   |  | -                                                                                                   |                | CUSTOMER                                                                                    |  |                 |            |



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A

B

C

D

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 70218-X91<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | C   | 3                      | 3 | 4 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |
| 70218-X92<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | C   | 2                      | 2 | 2 | 4 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |
| 70218-X93<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 1 | 2 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |
| 70218-X94<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 4 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |
| 70218-X95<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 1 | 2 | 2 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |    |    |
|--------------------------------------------------|-----|------------------------|---|---|---|----|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5  | 6  |
| 70218-X96<br>SEE NOTE 11<br>LEAD FREE<br>OPTION  | D   | 6                      | 6 | 6 | 6 | 6  | 6  |
|                                                  | C   | 6                      | 6 | 8 | 6 | 6  | 6  |
|                                                  | B   | 8                      | 6 | 6 | 6 | 6  | 6  |
|                                                  | A   | 7                      | 6 | 6 | 6 | 6  | 6  |
| 70218-X97<br>SEE NOTE 11<br>LEAD FREE<br>OPTION  | D   | 6                      | 6 | 6 | 6 | 6  | 6  |
|                                                  | C   | 6                      | 6 | 5 | 5 | 6  | 6  |
|                                                  | B   | 6                      | 6 | 6 | 6 | 6  | 6  |
|                                                  | A   | 6                      | 6 | 6 | 6 | 6  | 6  |
| 70218-X98<br>SEE NOTE 11<br>LEAD FREE<br>OPTION  | D   | 6                      | 6 | 6 | 5 | 6  | 6  |
|                                                  | C   | 7                      | 6 | 6 | 6 | 6  | 6  |
|                                                  | B   | 6                      | 6 | 6 | 6 | 6  | 6  |
|                                                  | A   | 6                      | 6 | 6 | 5 | 6  | 6  |
| 70218-X99<br>SEE NOTE 11<br>LEAD FREE<br>OPTION  | D   | 1                      | 1 | 1 | 1 | 19 | 19 |
|                                                  | C   | 1                      | 1 | 1 | 1 | 19 | 19 |
|                                                  | B   | 1                      | 1 | 1 | 1 | 19 | 19 |
|                                                  | A   | 1                      | 1 | 1 | 1 | 19 | 19 |
| 70218-X100<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2  | 4  |
|                                                  | C   | 2                      | 2 | 2 | 2 | 2  | 2  |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2  | 2  |
|                                                  | A   | 4                      | 2 | 2 | 4 | 2  | 2  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |    |    |    |    |
|--------------------------------------------------|-----|------------------------|---|----|----|----|----|
|                                                  |     | 1                      | 2 | 3  | 4  | 5  | 6  |
| 70218-X101<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2  | 2  | 2  | 1  |
|                                                  | C   | 2                      | 2 | 1  | 2  | 1  | 2  |
|                                                  | B   | 2                      | 1 | 2  | 2  | 2  | 2  |
|                                                  | A   | 2                      | 2 | 2  | 2  | 2  | 2  |
| 70218-X102<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6  | 6  | 6  | 5  |
|                                                  | C   | 6                      | 6 | 6  | 6  | 6  | 5  |
|                                                  | B   | 6                      | 6 | 6  | 6  | 6  | 6  |
|                                                  | A   | 6                      | 6 | 6  | 6  | 6  | 5  |
| 70218-X103<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 20 | 6  | 6  | 6  |
|                                                  | C   | 6                      | 6 | 20 | 6  | 6  | 6  |
|                                                  | B   | 6                      | 6 | 20 | 6  | 6  | 6  |
|                                                  | A   | 6                      | 6 | 20 | 6  | 6  | 6  |
| 70218-X104<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 6 | 6  | 6  | 6  | 6  |
|                                                  | C   | 20                     | 6 | 6  | 6  | 6  | 6  |
|                                                  | B   | 6                      | 6 | 6  | 20 | 6  | 6  |
|                                                  | A   | 6                      | 6 | 6  | 6  | 6  | 6  |
| 70218-X105<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6  | 6  | 20 | 20 |
|                                                  | C   | 6                      | 6 | 6  | 6  | 20 | 20 |
|                                                  | B   | 6                      | 6 | 6  | 6  | 20 | 20 |
|                                                  | A   | 6                      | 6 | 6  | 6  | 20 | 20 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 70218-X106<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 2 | 2 | 2 | 19 |
|                                                  | C   | 2                      | 3 | 2 | 2 | 2 | 19 |
|                                                  | B   | 2                      | 3 | 2 | 2 | 2 | 19 |
|                                                  | A   | 2                      | 3 | 2 | 2 | 2 | 19 |
| 70218-X107<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 2 | 3 | 2 | 3 | 2  |
|                                                  | C   | 19                     | 2 | 3 | 2 | 3 | 2  |
|                                                  | B   | 19                     | 2 | 3 | 2 | 3 | 2  |
|                                                  | A   | 19                     | 2 | 3 | 2 | 3 | 2  |
| 70218-X108<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 3 | 2 | 3 | 1  |
|                                                  | C   | 1                      | 1 | 3 | 2 | 3 | 1  |
|                                                  | B   | 1                      | 1 | 3 | 2 | 3 | 1  |
|                                                  | A   | 1                      | 1 | 3 | 2 | 3 | 1  |
| 70218-X109<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 1 | 1 | 2 | 2 | 2  |
|                                                  | C   | 2                      | 1 | 1 | 2 | 2 | 2  |
|                                                  | B   | 2                      | 1 | 1 | 2 | 2 | 2  |
|                                                  | A   | 2                      | 1 | 1 | 2 | 2 | 2  |
| 70218-X110<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 2 | 2 | 2 | 3  |
|                                                  | C   | 1                      | 1 | 2 | 2 | 2 | 3  |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 | 3  |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 | 3  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 70218-X111<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 6 | 5 | 5 | 5 | 5 |
|                                                  | C   | 7                      | 6 | 5 | 5 | 5 | 5 |
|                                                  | B   | 7                      | 6 | 5 | 5 | 5 | 5 |
|                                                  | A   | 7                      | 6 | 5 | 5 | 5 | 5 |
| 70218-X112<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 3 | 1 | 1 | 1 | 1 |
|                                                  | C   | 1                      | 3 | 1 | 1 | 1 | 1 |
|                                                  | B   | 1                      | 3 | 1 | 1 | 1 | 1 |
|                                                  | A   | 1                      | 3 | 1 | 1 | 1 | 1 |
| 70218-X113<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 3 | 2 | 2 | 2 |
|                                                  | C   | 3                      | 2 | 3 | 2 | 2 | 2 |
|                                                  | B   | 3                      | 2 | 3 | 2 | 2 | 2 |
|                                                  | A   | 3                      | 2 | 3 | 2 | 2 | 2 |
| 70218-X114<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6 |
|                                                  | C   | 6                      | 6 | 6 | 6 | 6 | 6 |
|                                                  | B   | 7                      | 6 | 6 | 6 | 6 | 6 |
|                                                  | A   | 7                      | 6 | 6 | 6 | 6 | 6 |
| 70218-X115<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 1 | 3 | 2 | 2 | 3 |
|                                                  | C   | 2                      | 1 | 3 | 2 | 2 | 3 |
|                                                  | B   | 2                      | 1 | 3 | 2 | 2 | 3 |
|                                                  | A   | 2                      | 1 | 3 | 2 | 2 | 3 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |    |   |    |   |
|--------------------------------------------------|-----|------------------------|---|----|---|----|---|
|                                                  |     | 1                      | 2 | 3  | 4 | 5  | 6 |
| 70218-X116<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2  | 2 | 2  | 1 |
|                                                  | C   | 2                      | 2 | 2  | 2 | 2  | 2 |
|                                                  | B   | 1                      | 1 | 1  | 1 | 1  | 1 |
|                                                  | A   | 2                      | 2 | 2  | 2 | 2  | 2 |
| 70218-X117<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 6 | 20 | 6 | 6  | 6 |
|                                                  | C   | 20                     | 6 | 20 | 6 | 6  | 6 |
|                                                  | B   | 6                      | 6 | 20 | 6 | 6  | 6 |
|                                                  | A   | 6                      | 6 | 20 | 6 | 6  | 6 |
| 70218-X118<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2  | 2 | 2  | 1 |
|                                                  | C   | 2                      | 2 | 2  | 2 | 1  | 2 |
|                                                  | B   | 2                      | 2 | 19 | 2 | 2  | 2 |
|                                                  | A   | 2                      | 2 | 1  | 2 | 2  | 2 |
| 70218-X119<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                     | 6 | 6  | 6 | 6  | 6 |
|                                                  | C   | 20                     | 6 | 6  | 6 | 6  | 6 |
|                                                  | B   | 20                     | 6 | 6  | 6 | 6  | 6 |
|                                                  | A   | 20                     | 6 | 6  | 6 | 6  | 6 |
| 70218-X120<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 19 | 2 | 19 | 2 |
|                                                  | C   | 2                      | 2 | 19 | 2 | 19 | 2 |
|                                                  | B   | 2                      | 1 | 19 | 2 | 19 | 2 |
|                                                  | A   | 2                      | 2 | 19 | 2 | 19 | 2 |

A

B

C

D

|                    |            |          |                                                      |                                   |                      |
|--------------------|------------|----------|------------------------------------------------------|-----------------------------------|----------------------|
| www.fciconnect.com |            |          | surface3.200<br>ISO 1302                             | tolerance std<br>ISO 406 ISO 1101 | projection<br>mm     |
|                    |            |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                |                                   |                      |
| Dr                 | T.BRUNGARD | 01/24/00 | ANGULAR                                              | 0.X ±0.3                          | size A4 Scale 53:50  |
| Eng                | M.STRAWSER | 01/24/00 | LINEAR                                               | 0.XX ±0.13                        |                      |
| Chr                | M.STRAWSER | 01/24/00 | 0° ±2°                                               | 0.XXX ±.051                       | ECN *                |
| Appr               | M.STRAWSER | 02/29/00 | Product family                                       | METRAL                            | Spec ref *           |
| FCI                |            |          | title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |                                   | dwg no 70218 Rev. BX |
| catalog no         |            |          | CUSTOMER                                             |                                   | sheet 6 of 7         |



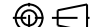
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| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. I |   |   |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4  | 5  | 6  |
| 70218-X121<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 3 | 19 | 1  | 19 |
|                                                      | C   | 2                      | 2 | 3 | 19 | 2  | 19 |
|                                                      | B   | 2                      | 2 | 3 | 19 | 19 | 2  |
|                                                      | A   | 2                      | 2 | 3 | 19 | 19 | 3  |



NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL  
  
POLYMER 30 % GLASS.  
  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:  
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:  
70218 -XXX IS SnPb  
70218-XYLF IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
- 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
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
- A PLATING HAS Au FLASH IN PRESS FIT  
AREA (LEAD FREE).
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 70218-X01LF
- 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.

|                                                                                       |            |          |                                                         |        |                                   |  |                                                                                                     |                |                                                                                             |  |
|---------------------------------------------------------------------------------------|------------|----------|---------------------------------------------------------|--------|-----------------------------------|--|-----------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------|--|
| www.fciconnect.com                                                                    |            |          | surface3.200<br>ISO 1302                                |        | tolerance std<br>ISO 406 ISO 1101 |  | projection<br> |                | mm<br> |  |
|                                                                                       |            |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                   |        |                                   |  |                                                                                                     |                |                                                                                             |  |
| Dr                                                                                    | T.BRUNGARD | 01/24/00 | ANGULAR                                                 | LINEAR | 0.X<br>±0.3                       |  | size<br>A4                                                                                          | Scale<br>53:50 |                                                                                             |  |
| Eng                                                                                   | M.STRAWSER | 01/24/00 |                                                         |        | 0.XX<br>±0.13                     |  |                                                                                                     |                |                                                                                             |  |
| Chr                                                                                   | M.STRAWSER | 01/24/00 |                                                         |        | 0.XXX<br>±.051                    |  |                                                                                                     |                |                                                                                             |  |
| Appr                                                                                  | M.STRAWSER | 02/29/00 | 0° ±2°                                                  |        |                                   |  | ECN                                                                                                 |                | *                                                                                           |  |
|                                                                                       |            |          | Product family                                          |        |                                   |  | METRAL                                                                                              |                | Spec ref *                                                                                  |  |
|  |            |          | title<br>METRAL SIGNAL HEADER<br>I MOD, 4 ROW PRESS-FIT |        |                                   |  | dwg no<br>70218                                                                                     |                | Rev.<br>BX                                                                                  |  |
|                                                                                       |            |          | catalog no                                              |        |                                   |  | CUSTOMER                                                                                            |                | sheet 7 of 7                                                                                |  |