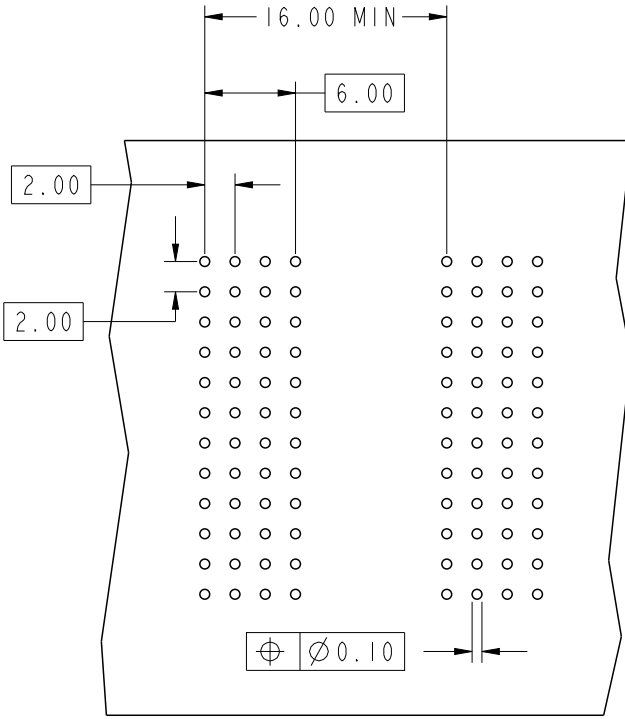


| | | | | | | | | | | | |
|---------------------|---------------------------------------|-------|----------------|------------------|------------------------|----------|------------------------|----------------------|--------------|-------|-----|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM ←→ | size | A4 | scale | 2:1 | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Narayanan, Aru | 2021/01/22 | | | ecn no | ELX-I-39732-1 | | | |
| ISO 406 ISO 1101 | | chr | - | - | | | product family | METRAL | | | |
| surface | 3.200 | appr | Kuriakose, San | 2021/01/28 | rel level | Released | | | | | |
| ISO 1302 | linear | 0.X | ±0.3 | Amphenol FCi | title | | | METRAL SIGNAL HEADER | dwg no | 89074 | rev |
| | | 0.XX | ±0.13 | | | | | | | | |
| | | 0.XXX | ±0.050 | | 2 MOD, 4 ROW PRESS-FIT | | | BM | | | |
| | angular | 0° | ±2° | amphenol-icc.com | cat. no. | - | Product - Customer Drw | | sheet 1 of 8 | | |



| 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 |
| 10 | 5.75 | 17.00 |
| 11 | 6.50 | 17.00 |
| 12 | 7.25 | 17.00 |
| 19 | 8.00 | 4.30 |

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

| | | | | | | | | | | |
|---------------|---------------------------------------|------|----------------|------------|------------------------|----|------------------------|----|---------------|-------|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Narayanan, Aru | 2021/01/22 | | | ecn no | | ELX-I-39732-1 | |
| ISO 406 | | chr | - | - | | | rel level | | Released | |
| ISO 1101 | | appr | Kuriakose, San | 2021/01/28 | product family | | METRAL | | | |
| surface 3.200 | linear | | | | title | | METRAL SIGNAL HEADER | | dwg no | 89074 |
| | | | | | 2 MOD, 4 ROW PRESS-FIT | | | | rev | BM |
| ISO 1302 | angular | | | | cat. no. | | Product - Customer Drw | | sheet 2 of 8 | |
| | | | | | | | | | | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X01LF | D | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 3 |
| | C | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 3 |
| | B | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 3 |
| | A | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X06LF | D | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| | C | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| | B | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| | A | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X11LF | D | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X16LF | D | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X02LF | D | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 3 |
| | C | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 3 |
| | B | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 3 |
| | A | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X07LF | D | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X12LF | D | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X17LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X03LF | D | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | C | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | B | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | A | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X08LF | D | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |
| | C | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |
| | B | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |
| | A | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X13LF | D | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X18LF | D | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 3 |
| | C | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 3 |
| | B | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 3 |
| | A | 3 | 1 | 2 | 2 | 4 | 2 | 2 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X04LF | D | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | C | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | B | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | A | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X09LF | D | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | C | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | B | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | A | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X14LF | D | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X19LF | D | 4 | 2 | 2 | 2 | 2 | 2 | 4 | 3 |
| | C | 4 | 2 | 2 | 2 | 2 | 2 | 4 | 3 |
| | B | 4 | 2 | 2 | 2 | 2 | 2 | 4 | 3 |
| | A | 4 | 2 | 2 | 2 | 2 | 2 | 4 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X05LF | D | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 2 |
| | C | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 2 |
| | B | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 2 |
| | A | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X10LF | D | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 |
| | C | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 |
| | B | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 |
| | A | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X15LF | D | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X20LF | D | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| | | | | | | | | | | | | | |
|---------------------|--|---------------------------------------|--|----------------------------|--|----------------|--|--|--|---------------------------|--|---------------|--|
| spec ref * | | dr Terran Huang | | 2010/07/09 | | projection | | size MM | | scale 2:1 | | | |
| tolerance std | | eng Narayanan, Aru | | 2021/01/22 | | | | ecn no ELX-I-39732-1 | | | | | |
| ISO 406 ISO 1101 | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr - | | - | | product family METRAL | | rel level Released | | | |
| surface 3.200 | | | | appr Kuriakose, San | | 2021/01/28 | | <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT </div> </div> | | dwg no 89074 | | rev BM | |
| ISO 1302 | | | | amphenol-icc.com | | cat. no. - | | | | Product - Customer Drw | | sheet 3 of 8 | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X21LF | D | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 1 | 2 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X26LF | D | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 4 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X31LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 7 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 7 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 7 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X36LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X22LF | D | 2 | 2 | 1 | 1 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X27LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 1 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 1 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | A | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X32LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X37LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X23LF | D | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X28LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 1 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 1 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X33LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X38LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X24LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X29LF | D | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X34LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

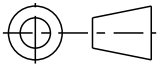
| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X39LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X25LF | D | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X30LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X35LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X40LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 |

| | | | | | |
|--|----------------------------|------------|---|---------|------------------------------|
| spec ref * | dr Terran Huang | 2010/07/09 | projection | size A4 | scale 2:1 |
| tolerance std ISO 406 ISO 1101 | eng Narayanan, Aru | 2021/01/22 |  | ← MM → | ecn no ELX-I-39732-1 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | chr - | - | | | product family METRAL |
| surface 3.200 | appr Kuriakose, San | 2021/01/28 | dwg no 89074 | | rev BM |
| linear 0.X ±0.3 0.XX ±0.13 0.XXX ±0.050 | Amphenol FCI | | METRAL SIGNAL HEADER | | sheet 4 of 8 |
| angular 0° ±2° | cat. no. - | | Product - Customer Draw | | |

A

B

C

D

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X41LF | D | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 2 | 4 | 2 | 4 | 2 |
| | C | 3 | 3 | 3 | 3 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X46LF | D | 4 | - | - | 2 | - | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 4 | - | - | 2 | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 4 | - | - | 2 | - | 4 | 4 | 4 | 2 | 2 | 2 | 2 |
| | A | 4 | - | - | 2 | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X51LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 4 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 4 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X56LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 3 | 3 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X42LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X47LF | D | 8 | - | - | 6 | - | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 8 | - | - | 6 | - | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 8 | - | - | 6 | - | 8 | 8 | 8 | 6 | 6 | 6 | 6 |
| | A | 8 | - | - | 6 | - | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X52LF | D | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X57LF | D | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X43LF | D | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | C | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | B | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | A | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X48LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X53LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X58LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X44LF | D | 3 | 1 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| | C | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| | B | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| | A | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X49LF | D | 4 | - | - | 2 | - | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 4 | - | - | 2 | - | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 4 | - | - | 2 | - | 8 | 8 | 8 | 6 | 6 | 6 | 6 |
| | A | 4 | - | - | 2 | - | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X54LF | D | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 |
| | C | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 |
| | B | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 |
| | A | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 |

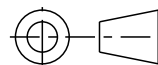

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X59LF | D | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X45LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X50LF | D | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X55LF | D | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 |
| | C | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 |
| | B | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 |
| | A | 4 | 4 | 3 | 3 | 4 | 4 | 2 | 2 | 2 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | | | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X60LF | D | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 3 |
| | C | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 3 |
| | B | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 3 |
| | A | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 3 |

| | | | | | | | | | | |
|---------------------------|---------------------------------------|--------------|----------------------|------------|---|---|-----------|---------------|-------|-----|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection  | MM  | size | A4 | scale | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Narayanan, Aru | 2021/01/22 | | | ecn no | ELX-I-39732-1 | | |
| ISO 406 ISO 1101 | | chr | - | - | | | rel level | Released | | |
| surface 3.200 ISO 1302 | linear | appr | Kuriakose, San | 2021/01/28 | product family | METRAL | | | | |
| 0.X | ±0.3 | Amphenol FCI | METRAL SIGNAL HEADER | | dwg no | 89074 | | rev | BM | |
| 0.XX | ±0.13 | | | | | | | | | |
| 0.XXX | ±0.050 | | | | | | | | | |
| angular | 0° | ±2° | amphenol-icc.com | cat. no. | - | Product - Customer Drw | | sheet 5 of 8 | | |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X61LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X66LF | D | 3 | 3 | 2 | 2 | 4 | 4 | 4 | 4 |
| | C | 3 | 3 | 2 | 2 | 4 | 4 | 4 | 4 |
| | B | 3 | 3 | 2 | 2 | 4 | 4 | 4 | 4 |
| | A | 3 | 3 | 2 | 2 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X71LF | D | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X76LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X62LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X67LF | D | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 2 |
| | C | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 2 |
| | B | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 2 |
| | A | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X72LF | D | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | C | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | B | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | A | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X77LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X63LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X68LF | D | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 3 |
| | C | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 3 |
| | B | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 3 |
| | A | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X73LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X78LF | D | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| | C | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 8 |
| | B | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X64LF | D | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 4 | 4 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 4 | 4 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X69LF | D | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 |
| | C | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| | B | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| | A | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X74LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X79LF | D | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X65LF | D | 3 | 4 | 2 | 3 | 2 | 2 | 4 | 2 |
| | C | 3 | 2 | 2 | 3 | 2 | 2 | 4 | 2 |
| | B | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 2 |
| | A | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X70LF | D | 4 | 4 | 4 | 4 | 2 | 4 | 2 | 2 |
| | C | 4 | 4 | 4 | 4 | 2 | 4 | 2 | 2 |
| | B | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 2 |
| | A | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X75LF | D | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | MOD. 2 | | | |
|-------------|-----|---------------------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 89074-X80LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |

| | | | | | | | | | | |
|---------------|---------------------|--------|---------------------|------------------------|----------------|--------|------------------------|---------------|-------|-----|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | | size | A4 | scale | 2:1 |
| tolerance std | ISO 406 ISO 1101 | eng | Narayanan, Aru | 2021/01/22 | | | ecn no | ELX-I-39732-1 | | |
| surface | 3.200 | chr | - | - | | | rel level | Released | | |
| ISO 1302 | linear | appr | Kuriakose, San | 2021/01/28 | product family | METRAL | rev | 89074 | BM | |
| | angular | | | | | | | | | |
| | 0.X | ±0.3 | Amphenol FCI | METRAL SIGNAL HEADER | | | dwg no | 89074 | | |
| | 0.XX | ±0.13 | amphenol-icc.com | 2 MOD, 4 ROW PRESS-FIT | | | | | | |
| | 0.XXX | ±0.050 | cat. no. | - | | | Product - Customer Drw | sheet 6 of 8 | | |
| | 0° | ±2° | | | | | | | | |

Amphenol
FCi

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| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X81LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X86LF | D | - | - | 2 | 2 | - | - | 4 | 2 | 2 | 4 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | - | - | - | - | - | - | 4 | 4 | 4 | 4 | 19 | 19 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X91LF | D | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | C | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | B | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X96LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|----|----|--------|----|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X82LF | D | 1 | 1 | 1 | 1 | 19 | 1 | 19 | 1 | 1 | 19 | 1 | 1 |
| | C | 19 | 1 | 1 | 19 | 1 | 19 | 1 | 1 | 1 | 19 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 19 | 1 | 1 | 1 | 1 | 1 | 1 | 19 |
| | A | 1 | 1 | 1 | 19 | 1 | 19 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X87LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X92LF | D | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X97LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X83LF | D | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 8 |
| | C | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 8 |
| | B | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 8 |
| | A | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 8 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X88LF | D | 4 | - | 2 | 4 | 4 | 2 | - | 4 | 2 | - | 4 | 2 |
| | C | 4 | - | 4 | 4 | 4 | 2 | - | 4 | 2 | - | 4 | 2 |
| | B | 4 | - | - | 4 | 4 | 2 | 2 | 4 | 2 | 2 | 4 | - |
| | A | 4 | - | - | 4 | 4 | 2 | 2 | 4 | 2 | 2 | 4 | - |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X93LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X98LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X84LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X89LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X94LF | D | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 |
| | C | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 2 |
| | B | 3 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 2 |
| | A | 3 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X99LF | D | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 3 | 3 | 4 | 4 |
| | C | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 3 | 3 | 4 | 4 |
| | B | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 3 | 3 | 4 | 4 |
| | A | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 3 | 3 | 4 | 4 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X85LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X90LF | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X95LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 |
| | C | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 2 | 4 | 2 | 4 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X100LF | D | 19 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 19 | 3 | 2 |
| | C | 19 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 19 | 3 | 2 |
| | B | 19 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 19 | 2 |
| | A | 19 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 19 | 3 |

| | | | | | | | | | | |
|---------------|---------------------|------------------|----------------|------------|------------------------|--------|------------------------|-----------|---------------|-----|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 2:1 |
| tolerance std | ISO 406 ISO 1101 | eng | Narayanan, Aru | 2021/01/22 | | | ←→ | ecn no | ELX-I-39732-1 | |
| surface | 3.200 | chr | - | - | product family | METRAL | | rel level | Released | |
| ISO 1302 | linear | appr | Kuriakose, San | 2021/01/28 | METRAL SIGNAL HEADER | | dwg no | 89074 | | |
| | angular | | | | 2 MOD, 4 ROW PRESS-FIT | | rev | BM | | |
| | 0.X | amphenol-icc.com | | cat. no. | - | | Product - Customer Drw | | sheet 7 of 8 | |
| | 0.XX | | | | | | | | | |
| | 0.XXX | | | | | | | | | |
| | 0° | | | | | | | | | |

A

B

C

D

A

B

C

D

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|--------------|-----|---------------------|---|----|---|----|--------|---|----|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X101LF | D | 19 | 2 | 2 | 2 | 19 | 2 | 2 | 19 | 2 | 2 | 2 | 3 |
| | C | 19 | 2 | 1 | 2 | 19 | 2 | 2 | 19 | 2 | 2 | 2 | 3 |
| | B | 19 | 2 | 19 | 2 | 19 | 2 | 2 | 19 | 2 | 1 | 2 | 3 |
| | A | 19 | 2 | 1 | 2 | 19 | 2 | 2 | 19 | 2 | 1 | 2 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X106LF | 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 | - | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|--------------|-----|---------------------|----|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X102LF | D | 19 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 19 | 3 | 2 |
| | C | 19 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 19 | 3 | 2 |
| | B | 19 | 19 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 19 | 2 |
| | A | 19 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 19 | 3 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X103LF | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | C | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 19 | 2 | 2 |
| | A | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X104LF | D | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N | ROW | CONTACT CODE MOD. 1 | | | | | MOD. 2 | | | | | | |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X105LF | 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 |

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- MATERIAL : BODY : THERMOPLASTIC UL94-V0. : CONTACT : COPPER ALLOY.
- FOR PLATING PERFORMANCE REFER DRAWING # 10159408.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE:XXXXX-XXXPLF
- PRODUCT SPECIFICATION GS-12-180
- APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- THE PRODUCTS MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. THE 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.
- A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- 89074-XYLFF. 'X' REFER DRAWING # 10159408.

| | | | | | | | | | | | | | |
|---------------|---------------------------------------|--------------|----------------|------------------|----------------------|----|--------------|----|---------------|-----|-------|------------------------|--|
| spec ref | * | dr | Terran Huang | 2010/07/09 | projection | MM | size | A4 | scale | 2:1 | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Narayanan, Aru | 2021/01/22 | | | ecn no | | ELX-I-39732-1 | | | | |
| ISO 406 | | chr | - | - | | | rel level | | Released | | | | |
| ISO 1101 | | appr | Kuriakose, San | 2021/01/28 | product family | | METRAL | | rev | | | | |
| surface 3.200 | linear | Amphenol FCI | | | METRAL SIGNAL HEADER | | dwg no | | 89074 | | | | |
| | 0.X | | | | | | | | | | ±0.3 | Product - Customer Drw | |
| | 0.XX | | | | | | | | | | ±0.13 | | |
| | 0.XXX | ±0.050 | | | | | | | | | | | |
| ISO 1302 | angular | 0° | ±2° | amphenol-icc.com | cat. no. | - | sheet 8 of 8 | | | | | | |