

NOTE-1: GENERAL CHARACTERISTICS ACCORDING TO GS-12-446

NOTE-2: ONE CENTER PEG FOR HOLD DOWN FORCE

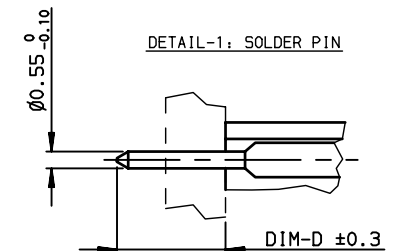
NOTE-3: NO CODING RECESS FOR EXTENDED KEYS

NOTE-4: PRODUCT MARKING = PRODUCT NUMBER + FCI+DATE CODE

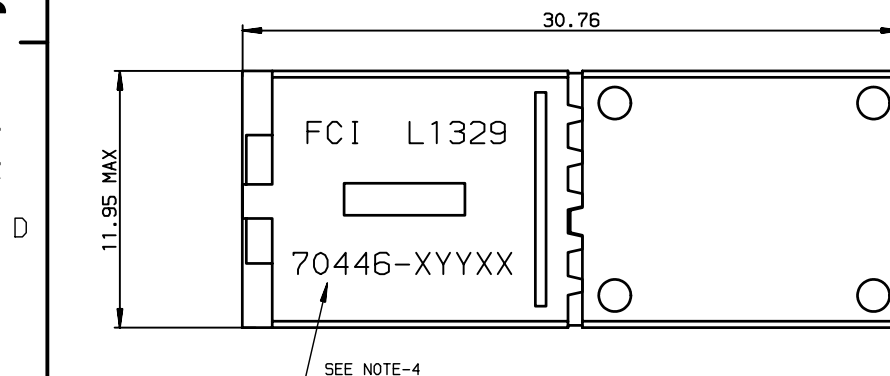
NOTE-5: PLATING ON MATING PART : SEE PRODUCT NUMBER

NOTE-7: STANDARD PACKAGING IS TUBE ,BUT IF SUFFIX "P" IS ADDED  
IN P/N,PACKAGING IS IN TRAYS,MARKING IS WITHOUT "P"

Example:70446-1xxPLF ,marking 704456-1xxLF



| PART NUMBER   | PERFORMANCE LEVEL                      |
|---------------|--|
| 70446-1YY(LF) | STANDARD P/N, See Prod. Spec 6S-12-446 |
| 70446-3YY(LF) | CUSTOMER SPECIAL , Specific Plating    |
| 70446-xYY(LF) |  |






GENERAL CHARACTERISTICS AND ROHS INFORMATIONS  
See PRODUCT SPECIFICATION : GS-12-446

OTHERS INFORMATIONS, SEE DRW 70446-2/-3

## European Views

| rev | ecn no    | dr  | date      |
|-----|-----------|-----|-----------|
| E   | -         | PCH | 2004/01/1 |
| F   | LS05-0056 | LGO | 2005/07/0 |
| G   | LS06-0114 | LGO | 2006/08/1 |
| H   | LS07-0134 | MLE | 2007/05/1 |
| J   | LS07-0245 | MLE | 2007/09/2 |
| -   | -         | -   | -         |
| -   | -         | -   | -         |

|   |        |            |  |        |                                   |      |   |            |   |  |
|---|--------|------------|--|--------|-----------------------------------|------|---|------------|---|--|
| www.fciconnect.com  |        |            | surface<br>ISO 1302  |        | tolerance std<br>ISO 406 ISO 1101 |      | projection<br> |            | mm<br> |  |
|   |        |            | TOLERANCES UNLESS OTHERWISE SPECIFIED                                    |        |                                   |      |   |            |   |  |
| Dr  | FETROW | 1998/06/09 | ANGULAR  | LINEAR | 0.X                               | ±0.1 | size<br>A3  | Scale<br>4 |   |  |
| Eng   | LENOIR | 1998/06/09 |  |        | 0.XX                              | ±0.1 |   |            |   |  |
| Chr   | LEGARE | 1998/06/09 |  |        | 0.XXX                             | ±0.1 |   |            |   |  |
| Appr  | LEGARE | 1998/06/09 | Product family   |        |                                   |      | METRAL  | Spec ref - |   |  |
|  |        |            | title<br>METRAL RA HDR STB CONVERG<br>NB 4x6 - 1 MODULE- SPECIAL LOADING |        |                                   |      | dwg no<br>70446-1   |            | Rev.<br>J   |  |
|   |        |            |  |        |                                   |      |   |            |   |  |
| catalog no  |        |            | -  |        |                                   |      | CUSTOMER  |            | sheet 1 of 3  |  |

|                            |      |                    |   |                     |      |      |
|----------------------------|------|--------------------|---|---------------------|------|------|
| LEAD FREE P/N: 70446-X01LF |      |                    |   | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X01    |      |                    |   | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3 | 4                   | 5    | 6    |
| ROW-D                      |      | 5.00               |   | 5.00                |      | 5.00 |
| ROW-C                      | 5.00 |                    |   |                     | 5.00 |      |
| ROW-B                      |      | 5.00               |   | 5.00                |      | 5.00 |
| ROW-A                      | 5.00 |                    |   |                     | 5.00 |      |
| DIM-D = 2.9±0.3            |      | NUMBER OF CTS = 10 |   |                     |      |      |

( ALSO, REPLACE B-STYLE P/N: 89053-X09 )

|                            |      |      |                    |                     |      |      |
|----------------------------|------|------|--------------------|---------------------|------|------|
| LEAD FREE P/N: 70446-X02LF |      |      |                    | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X02    |      |      |                    | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2    | 3                  | 4                   | 5    | 6    |
| ROW-D                      |      | 5.00 |                    | 5.00                |      | 5.00 |
| ROW-C                      | 5.00 |      | 5.00               |                     | 5.00 |      |
| ROW-B                      |      | 5.00 | 5.00               | 5.00                | 5.00 | 5.00 |
| ROW-A                      | 5.00 | 5.00 | 5.00               | 5.00                | 5.00 | 5.00 |
| DIM-D =2.9±0.3             |      |      | NUMBER OF CTS = 17 |                     |      |      |

( ALSO, REPLACE B-STYLE P/N: 89053-X01 )

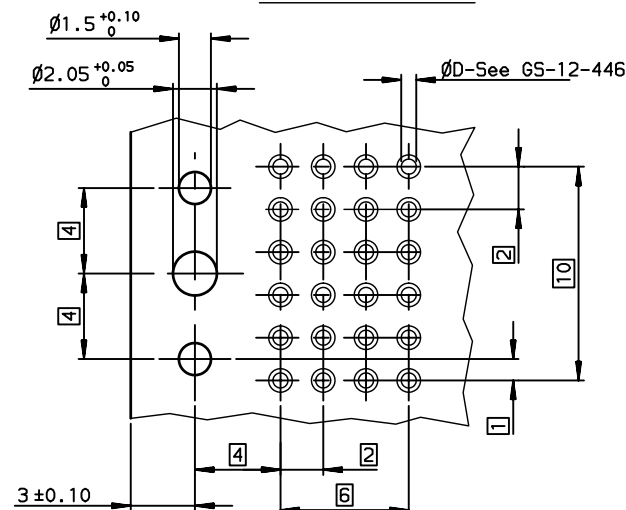
|                            |      |                    |      |                     |      |      |
|----------------------------|------|--------------------|------|---------------------|------|------|
| LEAD FREE P/N: 70446-X03LF |      |                    |      | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X03    |      |                    |      | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3    | 4                   | 5    | 6    |
| ROW-D                      | 5.75 | 5.75               | 5.75 | 5.75                | 5.75 | 5.75 |
| ROW-C                      | 5.75 | 5.75               | 5.75 | 5.75                |      |      |
| ROW-B                      | 5.75 | 5.75               | 5.75 | 5.75                |      | 5.75 |
| ROW-A                      | 6.50 | 6.50               | 5.00 | 5.75                |      | 5.75 |
| DIM-D =2.9±0.3             |      | NUMBER OF CTS = 20 |      |                     |      |      |

( REPLACE B-STYLE P/N: 89053-X02 )

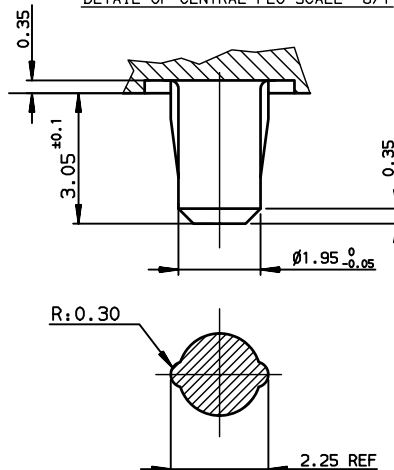
|                            |      |                    |      |                     |      |      |
|----------------------------|------|--------------------|------|---------------------|------|------|
| LEAD FREE P/N: 70446-X04LF |      |                    |      | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X04    |      |                    |      | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3    | 4                   | 5    | 6    |
| ROW-D                      | 5.75 | 5.75               | 5.75 | 5.75                | 5.75 | 5.75 |
| ROW-C                      | 5.75 | 5.75               | 5.75 | 5.75                | 5.75 | 5.75 |
| ROW-B                      | 5.75 | 5.75               | 5.75 |                     |      |      |
| ROW-A                      | 6.50 | 6.50               | 5.00 |                     | 5.75 | 5.75 |
| DIM-D = 2.9±0.3            |      | NUMBER OF CTS = 20 |      |                     |      |      |

( REPLACE B-STYLE P/N: 89053-X03 )

## RECOMMENDED PCB LAYOUT

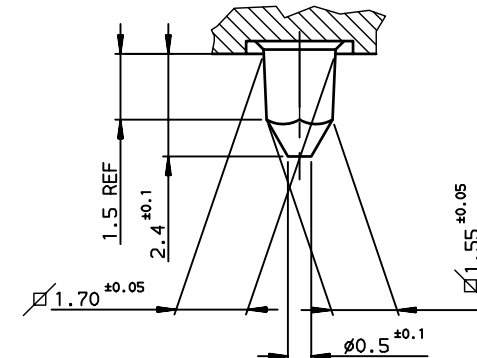


## DETAIL OF CENTRAL PEG SCALE 8/1






NOTE-20: PTH DIMENSIONS - ØD  
 - DRILL DIAMETER = 0.85 REF AND PLATING  
 SEE PRODUCT SPEC. : 65-12-446

## DETAIL OF LOCATING PEGS (2x) SCALE 8/1



OTHERS INFORMATIONS, SEE DRW 70446-1/-3

European Views

|   |        |            |                                    |        |                                   |       |   |            |   |  |
|---|--------|------------|------------------------------------|--------|-----------------------------------|-------|---|------------|---|--|
| www.fciconnect.com  |        |            | surface<br>ISO 1302                |        | tolerance std<br>ISO 406 ISO 1101 |       | projection<br> |            | mm<br> |  |
|   |        |            | TOLERANCES UNLESS                  |        | OTHERWISE SPECIFIED               |       |   |            |   |  |
| Dr  | FETROW | 1998/06/09 | ANGULAR                            | LINEAR | 0.X                               | ±0.1  | size<br>A3  | Scale<br>4 |   |  |
| Eng   | LENOIR | 1998/06/09 |                                    |        | 0.XX                              | ±0.1  |   |            |   |  |
| Chr   | LEGARE | 1998/06/09 |                                    |        | 0.XX' ±2'                         | 0.XXX |   | ±0.1       | ECN LS07-0245   |  |
| Appr  | LEGARE | 1998/06/09 | Product family                     |        |                                   |       | METRAL  |            | Spec ref -  |  |
|  |        |            | title<br>METRAL RA HDR STB CONVERG |        |                                   |       | dwg no<br>70446-2   |            | Rev.<br>J   |  |
|   |        |            | NB 4x6 -1 MODULE- SPECIAL LOADING  |        |                                   |       |   |            |   |  |
| catalog no  |        |            | -                                  |        |                                   |       | CUSTOMER  |            | sheet 2 of 3  |  |

|                            |      |                    |   |                     |      |      |
|----------------------------|------|--------------------|---|---------------------|------|------|
| LEAD FREE P/N: 70446-X05LF |      |                    |   | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X05    |      |                    |   | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3 | 4                   | 5    | 6    |
| ROW-D                      | 5.00 | 5.00               |   |                     | 5.00 | 5.00 |
| ROW-C                      | 5.00 | 5.00               |   |                     | 5.00 | 5.00 |
| ROW-B                      | 5.00 | 5.00               |   |                     | 5.00 | 5.00 |
| ROW-A                      | 5.00 | 5.00               |   |                     | 5.00 | 5.00 |
| DIM-D =2.9±0.3             |      | NUMBER OF CTS = 16 |   |                     |      |      |

( REPLACE B-STYLE P/N: 89053-X04 )

|                            |      |                    |      |                     |      |      |
|----------------------------|------|--------------------|------|---------------------|------|------|
| LEAD FREE P/N: 70446-X08LF |      |                    |      | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X08    |      |                    |      | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3    | 4                   | 5    | 6    |
| ROW-D                      | 5.00 |                    | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-C                      | 5.00 |                    | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-B                      |      | 5.00               | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-A                      | 5.00 | 5.00               | 6.50 | 6.50                | 5.00 | 5.00 |
| DIM-D =2.9±0.3             |      | NUMBER OF CTS = 21 |      |                     |      |      |

( REPLACE B-STYLE P/N: 89053-X07 )

|                            |      |                    |   |                     |      |      |
|----------------------------|------|--------------------|---|---------------------|------|------|
| LEAD FREE P/N: 70446-X06LF |      |                    |   | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X06    |      |                    |   | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3 | 4                   | 5    | 6    |
| ROW-D                      | 5.00 | 5.00               |   |                     | 5.00 | 5.00 |
| ROW-C                      | 5.00 | 5.00               |   |                     | 5.00 | 5.00 |
| ROW-B                      | 5.75 | 5.75               |   |                     | 5.75 | 5.75 |
| ROW-A                      | 5.00 | 5.00               |   |                     | 5.00 | 5.00 |
| DIM-D =2.9±0.3             |      | NUMBER OF CTS = 16 |   |                     |      |      |

( ALSO,REPLACE B-STYLE P/N: 89053-X05 )

|                            |      |                    |      |                     |      |      |
|----------------------------|------|--------------------|------|---------------------|------|------|
| LEAD FREE P/N: 70446-X09LF |      |                    |      | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X09    |      |                    |      | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3    | 4                   | 5    | 6    |
| ROW-D                      | 5.00 | 5.00               | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-C                      | 5.00 | 5.00               | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-B                      | 5.00 | 5.00               | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-A                      | 5.00 | 6.50               | 5.00 | 6.50                | 6.50 | 6.50 |
| DIM-D =2.9±0.3             |      | NUMBER OF CTS = 24 |      |                     |      |      |




( ALSO,REPLACE B-STYLE P/N: 89053-X08 )

|                            |      |                    |      |                     |      |      |
|----------------------------|------|--------------------|------|---------------------|------|------|
| LEAD FREE P/N: 70446-X07LF |      |                    |      | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N: 70446-X07    |      |                    |      | CTS LOADING PATTERN |      |      |
| DIM-P                      | 1    | 2                  | 3    | 4                   | 5    | 6    |
| ROW-D                      | 5.00 |                    | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-C                      | 5.00 |                    | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-B                      |      |                    | 5.00 | 5.00                | 5.00 | 5.00 |
| ROW-A                      | 5.00 | 5.00               | 6.50 | 6.50                | 5.00 | 5.00 |
| DIM-D =2.9±0.3             |      | NUMBER OF CTS = 20 |      |                     |      |      |

( REPLACE B-STYLE P/N: 89053-X06 )

|                            |      |                    |             |                     |      |      |
|----------------------------|------|--------------------|-------------|---------------------|------|------|
| LEAD FREE P/N: 70446-X10LF |      |                    |             | CTS LOADING PATTERN |      |      |
| TIN LEAD P/N:              |      |                    |             |                     |      |      |
| DIM-P                      | 1    | 2                  | 3           | 4                   | 5    | 6    |
| ROW-D                      | 5.00 | 5.00               | 5.00        | 5.00                | 5.00 | 5.00 |
| ROW-C                      | 5.00 | 5.00               | 5.00        | 5.00                | 5.00 | 5.00 |
| ROW-B                      | 5.00 | 5.00               | <b>6.50</b> | 5.00                | 5.00 | 5.00 |
| ROW-A                      | 5.00 | 5.00               | <b>6.50</b> | 5.00                | 5.00 | 5.00 |
| DIM-D =2.9±0.3             |      | NUMBER OF CTS = 24 |             |                     |      |      |

European Views

|   |        |            |                                    |        |          |                                   |          |   |   |           |
|---|--------|------------|------------------------------------|--------|----------|-----------------------------------|----------|---|---|-----------|
| www.fciconnect.com  |        |            | surface<br>ISO 1302                |        | ✓        | tolerance std<br>ISO 406 ISO 1101 |          | projection<br> | mm<br> |           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED   |        |            |                                    |        |          |                                   |          |   |   |           |
| Dr  | FETROW | 1998/06/09 | ANGULAR                            | LINEAR | 0.X      | ±0.1                              | size     | A3  | Scale<br>4  |           |
| Eng   | LENOIR | 1998/06/09 |                                    |        | 0.XX     | ±0.1                              |          |   |   |           |
| Chr   | LEGARE | 1998/06/09 |                                    |        | 0.XX ±2° | 0.XXX                             | ±0.1     | ECN   | LS07-0245   |           |
| Appr  | LEGARE | 1998/06/09 | Product family                     |        |          |                                   | METRAL   | Spec ref -  |   |           |
|  |        |            | title<br>METRAL RA HDR STB CONVERG |        |          |                                   | no       | 70446-3   |   | Rev.<br>J |
|   |        |            | NB 4x6 -1 MODULE- SPECIAL LOADING  |        |          |                                   | dwg      |   |   |           |
| catalog no  |        |            | -                                  |        |          |                                   | CUSTOMER |   | sheet 3 of 3  |           |

A

B

C

D

A

B

C

D



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