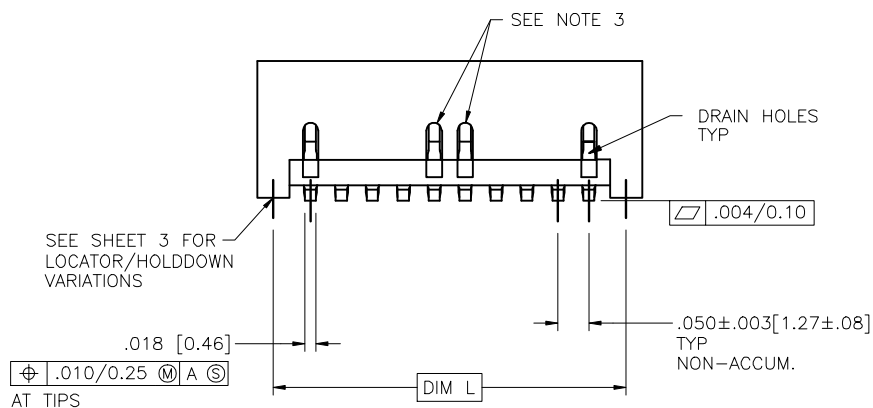
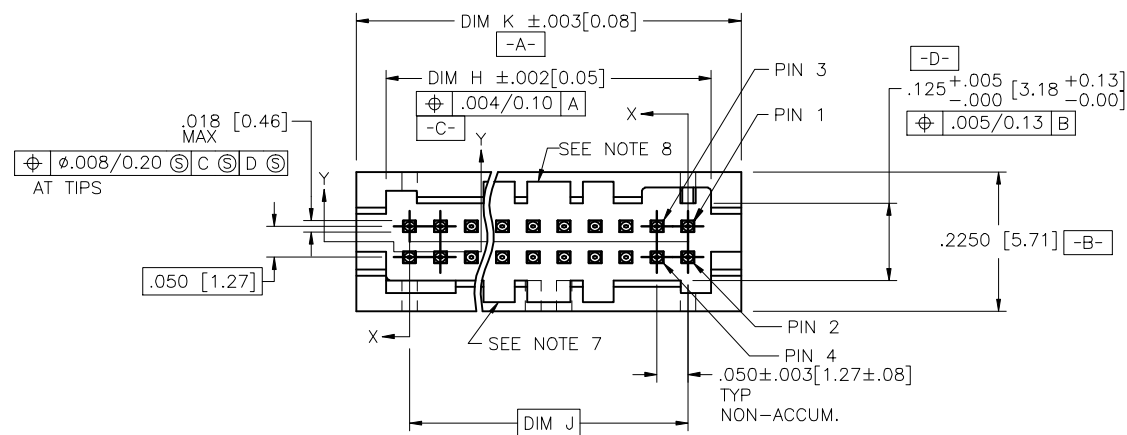


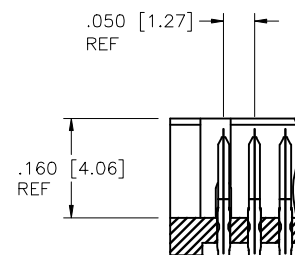
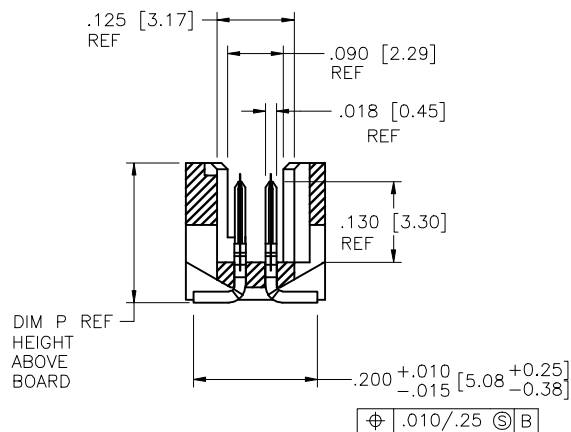
PRODUCT NUMBER  
SEE TABLE



| mat'l. code |          |     |         | surface                               |    | tolerance                         |    | projection |  | product family           |  |
|-------------|----------|-----|---------|---------------------------------------|----|-----------------------------------|----|------------|--|--------------------------|--|
| SEE NOTES   |          |     |         | ISO 1502                              |    | ISO 406                           |    | ISO 1101   |  | RIB CAGE                 |  |
| ltr         | ecn no   | dr  | date    | tolerances unless otherwise specified |    | XX $\pm 0.01$ / XX $\pm 0.3$      |    | INCH/MM    |  | title                    |  |
| V           | V10329   | CRG | 6/06/01 | angles                                |    | XXX $\pm 0.05$ / XXX $\pm 0.13$   |    | scale 1:1  |  | RIB CAGE III SMT         |  |
| W           | V04-0004 | DAI | 1/21/04 | linear                                |    | XXX $\pm 0.020$ / XXX $\pm 0.051$ |    | dwg no     |  | sheet 1 of 6             |  |
| X           | M05-0084 | MHT | 5/05/05 | $\sigma \pm z$                        |    | 6/07/95                           |    | size       |  | A3                       |  |
| Y           | M06-0284 | AEA | 7/27/06 | dr                                    |    | 6/07/95                           |    | type       |  | Product Customer Drawing |  |
| AA          | M08-0245 | MHT | 8/27/08 | engr                                  |    | 6/07/95                           |    |            |  |                          |  |
| AB          | M09-0058 | MHT | 4/02/09 | chr                                   |    | 6/07/95                           |    |            |  |                          |  |
| AC          | M09-0087 | MHT | 6/10/09 | appd                                  |    | 6/07/95                           |    |            |  |                          |  |
| sheet       | revision | AC  | AC      | AC                                    | AC | AC                                | AC |            |  |                          |  |
| index       | sheet    | 1   | 2       | 3                                     | 4  | 5                                 | 6  |            |  |                          |  |

PRODUCT NUMBER  
SEE TABLE

| SIZE | DIM H       | DIM J       | DIM K       | DIM L       |
|------|-------------|-------------|-------------|-------------|
| 2X5  | .275/6.99   | .200/5.08   | .372/9.45   | .320/8.13   |
| 2X10 | .525/13.34  | .450/11.43  | .622/15.80  | .570/14.48  |
| 2X15 | .775/19.68  | .700/17.78  | .872/22.15  | .820/20.83  |
| 2X20 | 1.025/26.03 | .950/24.13  | 1.122/28.50 | 1.070/27.18 |
| 2X25 | 1.275/32.38 | 1.200/30.48 | 1.372/34.85 | 1.320/33.53 |
| 2X30 | 1.525/38.74 | 1.450/36.83 | 1.622/41.20 | 1.570/39.88 |
| 2X35 | 1.775/45.08 | 1.700/43.18 | 1.872/47.55 | 1.820/46.23 |
| 2X40 | 2.025/51.43 | 1.950/49.53 | 2.122/53.90 | 2.070/52.58 |
| 2X45 | 2.275/57.78 | 2.200/55.88 | 2.372/60.25 | 2.320/58.93 |
| 2X50 | 2.525/64.14 | 2.450/62.23 | 2.622/66.60 | 2.570/65.28 |



|             |           |         |          |                                       |                |            |                |                          |
|-------------|-----------|---------|----------|---------------------------------------|----------------|------------|----------------|--------------------------|
| mat'l. code | SEE NOTES | surface | ISO 1302 | tolerance                             | ISO 406        | projection | product family | RIB CAGE                 |
| lir         | ecn no    | dr      | date     | tolerances unless otherwise specified | XX ±.01/XX±0.3 | INCH/MM    | title          | RIB CAGE III SMT         |
| AC          |           |         |          | angles                                | linear         | scale 1:1  |                | VERT. HEADER ASS'Y       |
|             |           |         |          | dr                                    | M. CORNMAN     | 6/07/95    | dwg no         | 95781                    |
|             |           |         |          | engr                                  | D. WHITING     | 6/07/95    | sheet 2 of 6   | size A3                  |
|             |           |         |          | chr                                   | D. WHITING     | 6/07/95    | type           | Product Customer Drawing |
|             |           |         |          | appd                                  | D. WHITING     | 6/07/95    |                |                          |
| sheet index | revision  | sheet   |          |                                       |                |            |                |                          |

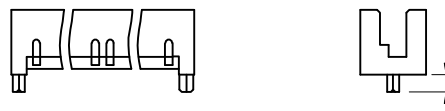
PRODUCT NUMBER  
SEE TABLE

# LOCATOR/HOLDDOWN VARIATIONS

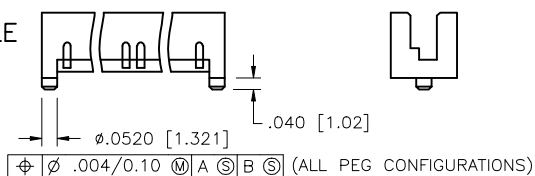
STYLE  
1



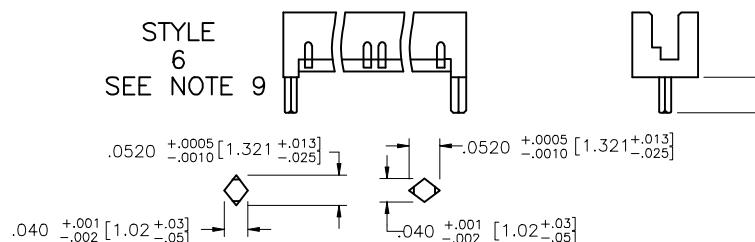
STYLE  
5



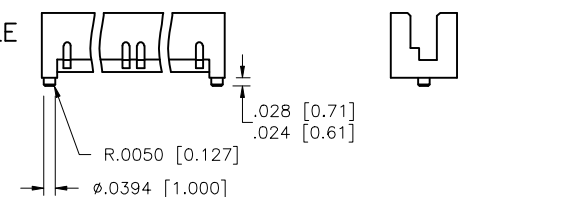
STYLE  
2



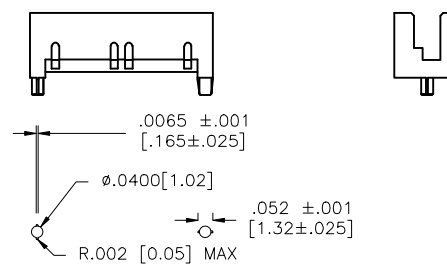
STYLE  
6  
SEE NOTE 9



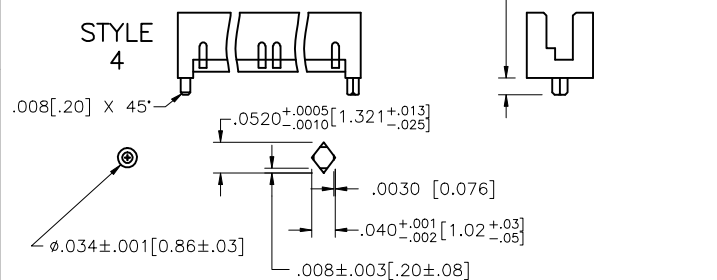
STYLE  
3



STYLE  
7



STYLE  
4

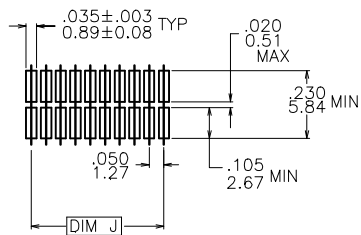


| mat'l. code<br>SEE NOTES |          |    |      | surface<br>ISO 1302 | tolerance<br>ISO 406<br>ISO 1101      | projection | product family                         |
|--------------------------|----------|----|------|---------------------|---------------------------------------|------------|----------------------------------------|
| lit                      | ecn no   | dr | date | ISO 1302            | tolerances unless otherwise specified | INCH/MM    | RIB CAGE                               |
| AC                       |          |    |      | angles              | linear                                | scale 1:1  | RIB CAGE III SMT<br>VERT. HEADER ASS'Y |
|                          |          |    |      | σ±z                 | linear                                |            | dwg no                                 |
|                          |          |    |      | dr                  | M. CORNMAN                            | 6/07/95    | sheet 3 of 6                           |
|                          |          |    |      | engr                | D. WHITING                            | 6/07/95    | size                                   |
|                          |          |    |      | chr                 | D. WHITING                            | 6/07/95    | A3                                     |
|                          |          |    |      | appd                | D. WHITING                            | 6/07/95    | type                                   |
| sheet                    | revision |    |      |                     |                                       |            | Product Customer Drawing               |
| index                    | sheet    |    |      |                     |                                       |            |                                        |

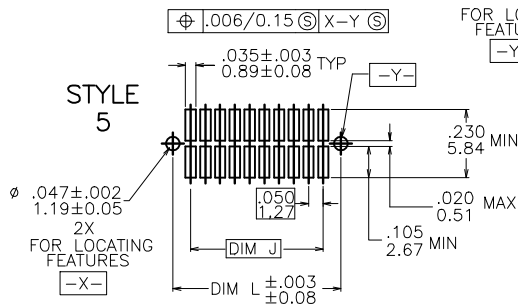
PRODUCT NUMBER  
SEE TABLE

# RECOMMENDED PCB MOUNTING PAD PATTERN

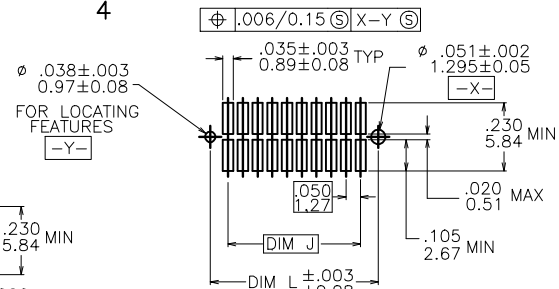
STYLE  
1



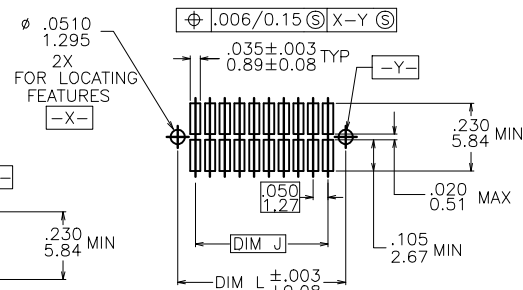
STYLE  
5



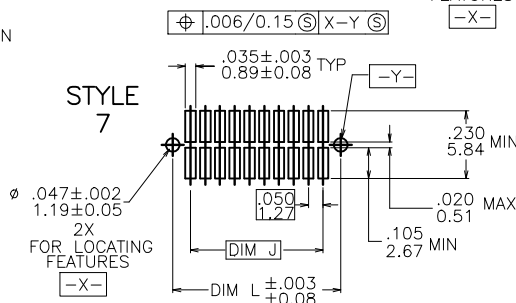
STYLE  
4



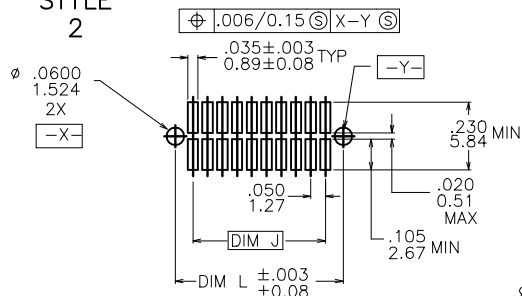
STYLE  
6



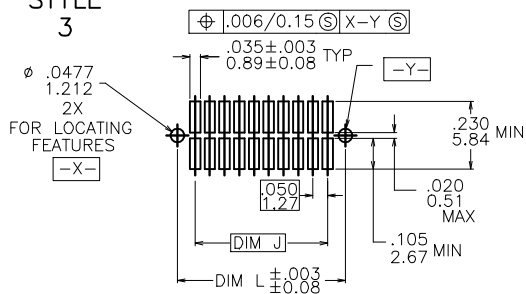
STYLE  
7



STYLE  
2



STYLE  
3



|                          |                   |    |      |                     |                                  |            |                                                 |
|--------------------------|-------------------|----|------|---------------------|----------------------------------|------------|-------------------------------------------------|
| mat'l. code<br>SEE NOTES |                   |    |      | surface<br>ISO 1302 | tolerance<br>ISO 406<br>ISO 1101 | projection | product family<br>RIB CAGE                      |
| ltr                      | ecn no            | dr | date | angles              | linear                           | INCH/MM    | title<br>RIB CAGE III SMT<br>VERT. HEADER ASS'Y |
| AC                       |                   |    |      |                     |                                  | scale 1:1  | dwg no<br>95781                                 |
|                          |                   |    |      | dr                  | M. CORNMAN                       | 6/07/95    | sheet 4 of 6 size<br>A3                         |
|                          |                   |    |      | engr                | D. WHITING                       | 6/07/95    |                                                 |
|                          |                   |    |      | chr                 | D. WHITING                       | 6/07/95    |                                                 |
|                          |                   |    |      | appd                | D. WHITING                       | 6/07/95    |                                                 |
| sheet<br>index           | revision<br>sheet |    |      |                     |                                  |            | type<br>Product Customer Drawing                |

| PRODUCT<br>NUMBER<br>NOTE 1,4A & 4B | DIM P<br>HEIGHT ABOVE<br>BOARD (REF.) | HOLDDOWN<br>STYLE |
|-------------------------------------|---------------------------------------|-------------------|
| 72428-1XX                           | .244/6.20                             | 1                 |
| 73546-1XX                           | .364/9.25                             | 1                 |
| 73547-1XX                           | .364/9.25                             | 2                 |
| 73548-1XX                           | .364/9.25                             | 4                 |
| 84700-1XX                           | .226/5.74                             | 7                 |
| 84701-1XX                           | .298/7.57                             | 7                 |
| 84734-1XX                           | .364/9.25                             | 7                 |
| 87401-1XX                           | .226/5.74                             | 6                 |
| 87409-1XX                           | .226/5.74                             | 2                 |
| 87849-1XX                           | .226/5.74                             | 1                 |
| 88566-1XX                           | .260/6.60                             | 2                 |
| 90098-1XX                           | .298/7.57                             | 2                 |
| 90863-1XX                           | .226/5.74                             | 1                 |
| 91036-1XX                           | .364/9.25                             | 5                 |
| 91423-1XX                           | .226/5.74                             | 2                 |
| 91855-1XX                           | .226/5.74                             | 5                 |
| 92099-1XX                           | .226/5.74                             | 4                 |
| 92412-1XX                           | .298/7.57                             | 4                 |
| 93206-1XX                           | .226/5.74                             | 3                 |
| 93221-1XX                           | .298/7.57                             | 1                 |
| 93289-1XX                           | .298/7.57                             | 5                 |

TABLE A

\* CUSTOMER SPECIAL

SEE NOTE 10

\*

NOTES:

- ① XXXXX-XXXLE  
LEAD FREE OPTION (NOTE 11& 13)  
NUMBER OF POSITIONS (NOTE 2)
- ② NUMBER OF POSITIONS = 05 THRU 50 IN 5 POS INCREMENTS.  
(EXAMPLE : 105=10 POS., 110=20 POS. ETC.)
- ③ REQUIRED ON -X40,-X45 & -X50 POSITION PARTS ONLY.
4. PACKAGING :  
A. ANTISTATIC TUBES. SEE TABLE A  
B. ADD "CT" TO END OF DASH NUMBER FOR CONNECTOR  
WITH VACUUM CAP IN ANTISTATIC TUBES.  
EX. : XXXXX-1XXCT  
C. PRESSURE SEALED TAPE AND REEL. SEE TABLE C  
FOR AVAILABLE PART NUMBERS.
- ⑤ HOUSING MATERIAL :  
GLASS FILLED THERMOPLASTIC FLAME RETARDANT PER UL 94V-0.  
COLOR : NATURAL
- ⑥ TERMINAL PLATING :  
30u"/.76u HARD Au OVER 50u"/1.27u Ni ON CONTACT ZONES.  
100u"/2.54u TIN LEAD OVER 50u"/1.27u Ni IN SOLDERING ZONES.  
LEAD FREE OPTION:  
30u"/.76u HARD Au OVER 50u"/1.27u Ni ON CONTACT ZONES.  
100u"/2.54u PURE TIN OVER 50u"/1.27u Ni IN SOLDERING ZONES.
- ⑦ MOLDING FLOW RESTRICTOR QUANTITY AND LOCATION IS  
MANUFACTURING OPTION.
- ⑧ VACUUM CAP SLOT REQUIRED ON ALL SIZES, SLOT MAY  
BE LOCATED ON OPPOSITE SIDE FOR 2 X 5.
- ⑨ STYLE 6 IS NOT AVAILABLE IN TAPE AND REEL.
- ⑩ 90863-1XX IS PACKAGED ONLY IN TAPE AND REEL.
- ⑪ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
12. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW  
OVEN. SEE APPLICATION NOTE/PROCEDURES IF THEY ARE AVAILABLE.
- ⑬ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

|                          |          |    |      |                                       |            |                                                             |  |                       |  |                                        |  |
|--------------------------|----------|----|------|---------------------------------------|------------|-------------------------------------------------------------|--|-----------------------|--|----------------------------------------|--|
| mat'l. code<br>SEE NOTES |          |    |      | surface<br>ISO 1902 ✓                 |            | tolerance<br>ISO 406<br>ISO 1101                            |  | projection<br>INCH/MM |  | product family<br>RIB CAGE             |  |
| litr                     | ech no   | dr | date | tolerances unless otherwise specified |            |                                                             |  |                       |  | title                                  |  |
| AC                       |          |    |      | angles                                | linear     | XX ±.01/XX±0.3<br>XXX±.005/XXX±0.13<br>XXXX±.0020/XXX±0.051 |  | INCH/MM               |  | RIB CAGE III SMT<br>VERT. HEADER ASS'Y |  |
|                          |          |    |      | σ±z                                   |            |                                                             |  | scale 1:1             |  | dwg no                                 |  |
|                          |          |    |      | dr                                    | M. CORNMAN | 6/07/95                                                     |  |                       |  | sheet 5 of 6 size                      |  |
|                          |          |    |      | engr                                  | D. WHITING | 6/07/95                                                     |  |                       |  | 95781 A3                               |  |
|                          |          |    |      | chr                                   | D. WHITING | 6/07/95                                                     |  |                       |  |                                        |  |
|                          |          |    |      | appd                                  | D. WHITING | 6/07/95                                                     |  |                       |  | type Product Customer Drawing          |  |
| sheet                    | revision |    |      |                                       |            |                                                             |  |                       |  |                                        |  |
| index                    | sheet    |    |      |                                       |            |                                                             |  |                       |  |                                        |  |

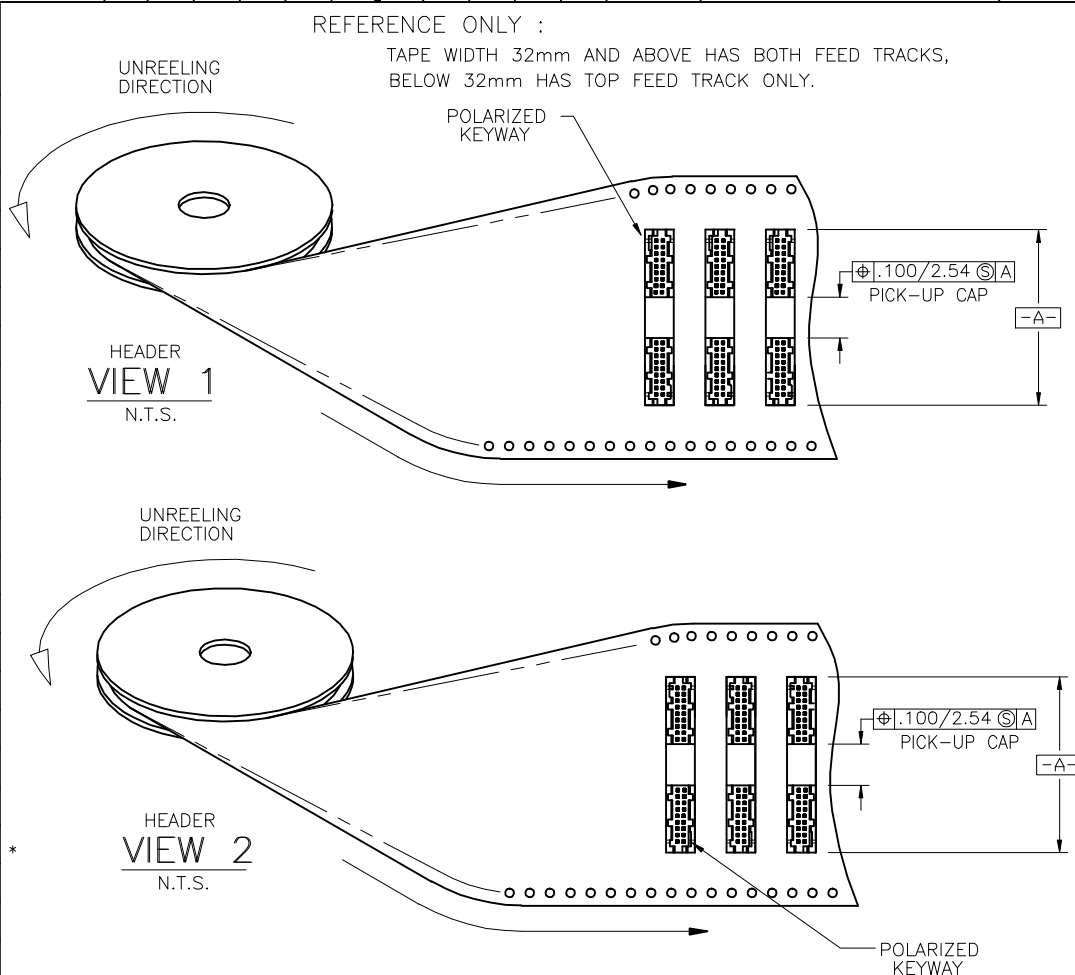


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| PRODUCT NUMBER<br>NOTE 11,4C | QTY.<br>REEL | TAPE WIDTH<br>PITCH<br>MM | CONNECTOR<br>ORIENTATION<br>IN TAPE<br>POCKET |
|------------------------------|--------------|---------------------------|-----------------------------------------------|
| 72428-120TR                  | 500          | 44/12                     | VIEW 1                                        |
| 73547-110TR                  |              | 24/12                     |                                               |
| 84700-105TR                  |              | 24/12                     |                                               |
| 84700-135TR                  |              | 56/12                     |                                               |
| 87409-115TR                  |              | 44/12                     |                                               |
| 87409-120TR                  |              | 44/12                     |                                               |
| 87409-125TR                  |              | 56/12                     |                                               |
| 87409-130TR                  |              | 56/12                     |                                               |
| 87409-140TR                  |              | 72/12                     |                                               |
| 87849-110TR                  |              | 24/12                     |                                               |
| 87849-115TR                  |              | 44/12                     |                                               |
| 87849-120TR                  |              | 44/12                     |                                               |
| 87849-125TR                  |              | 56/12                     |                                               |
| 87849-130TR                  | 500          | 56/12                     |                                               |
| 88566-110TR                  | 750          | 24/12                     |                                               |
| 88566-115TR                  | 500          | 44/12                     |                                               |
| 88566-130TR                  | 500          | 56/12                     |                                               |
| 90863-110                    |              | 24/12                     |                                               |
| 90863-115                    |              | 44/12                     | VIEW 1                                        |
| 90863-115REV                 |              | 44/12                     | VIEW 2                                        |
| 90863-120                    |              | 44/12                     | VIEW 1                                        |
| 90863-125                    |              | 56/12                     |                                               |
| 90863-130                    |              | 56/12                     |                                               |
| 91036-110P                   |              | 24/16                     |                                               |
| 93206-115TR                  |              | 44/12                     |                                               |
| 93221-105TR                  |              | 24/12                     |                                               |
| 93221-110TR                  |              | 32/12                     |                                               |
| 93221-125TR                  | 500          | 56/12                     | VIEW 1                                        |

TABLE C

\* CUSTOMER SPECIAL  
NO VACUUM CAP

|             |           |                     |                                  |                                       |                          |
|-------------|-----------|---------------------|----------------------------------|---------------------------------------|--------------------------|
| mat'l. code | SEE NOTES | surface<br>ISO 1302 | tolerance<br>ISO 406<br>ISO 1101 | projection                            | product family           |
| ltr         | ech no    | dr                  | date                             | tolerances unless otherwise specified | RIB CAGE                 |
| AC          |           |                     |                                  | linear                                | title                    |
|             |           |                     |                                  | angles                                | RIB CAGE III SMT         |
|             |           |                     |                                  | 0°±2°                                 | VERT. HEADER ASS'Y       |
|             |           |                     |                                  | dr M. CORNMAN 6/07/95                 | dwg no                   |
|             |           |                     |                                  | enrg D. WHITING 6/07/95               | 95781                    |
|             |           |                     |                                  | chr D. WHITING 6/07/95                | sheet 6 of 6 size        |
|             |           |                     |                                  | appd D. WHITING 6/07/95               | A3                       |
| sheet       | revision  |                     |                                  |                                       | type                     |
| index       | sheet     |                     |                                  |                                       | Product Customer Drawing |