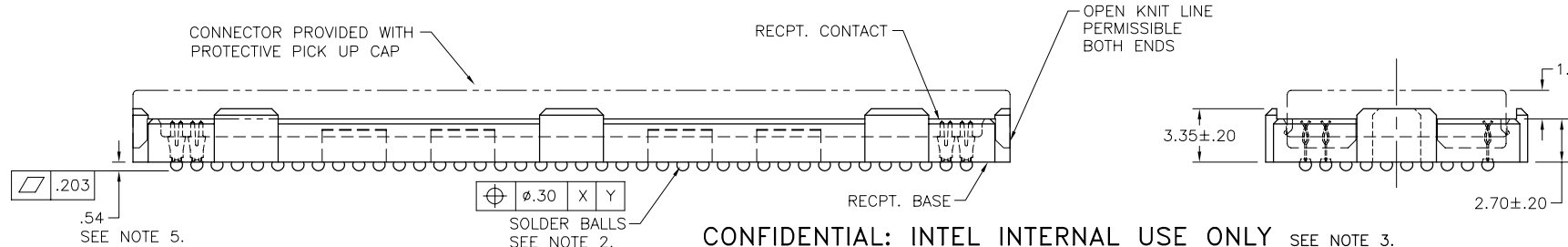
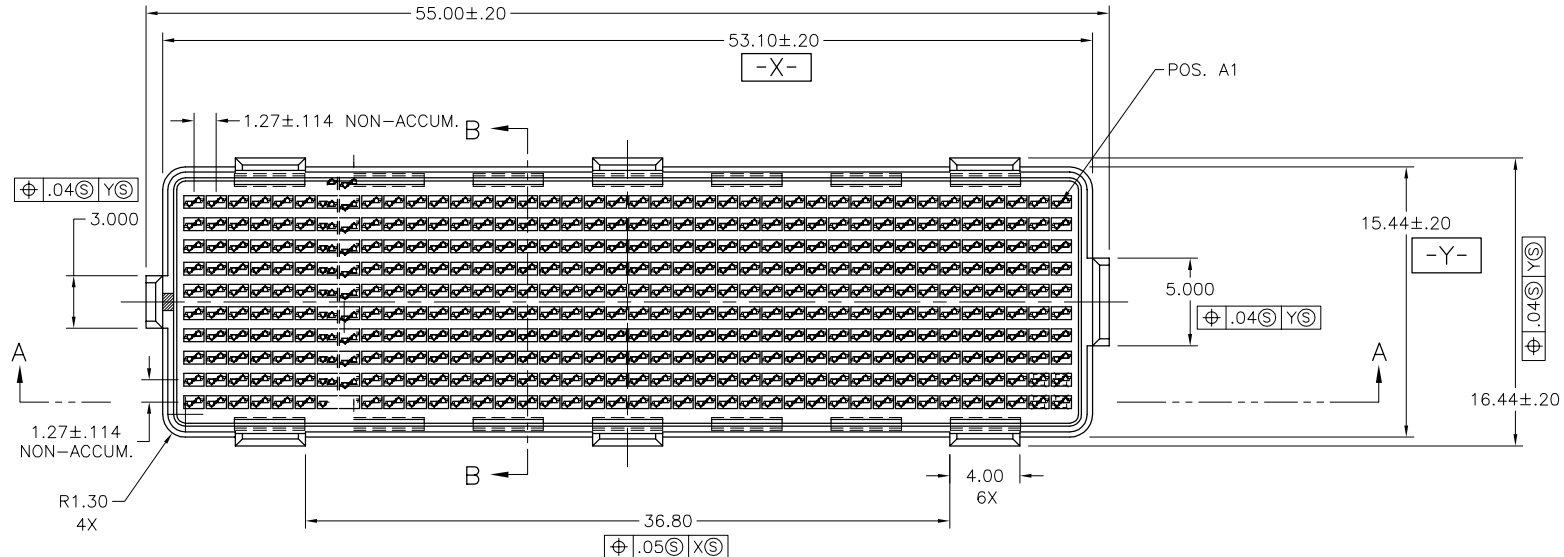
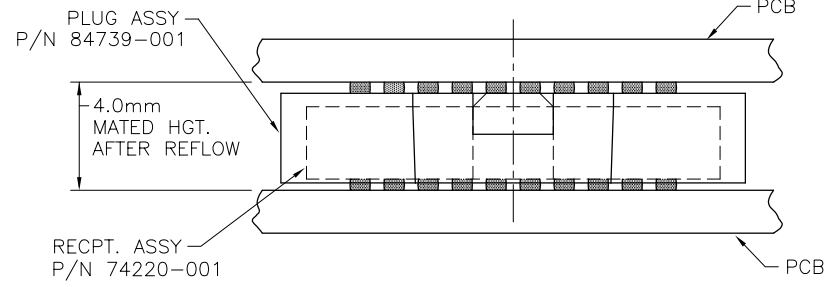
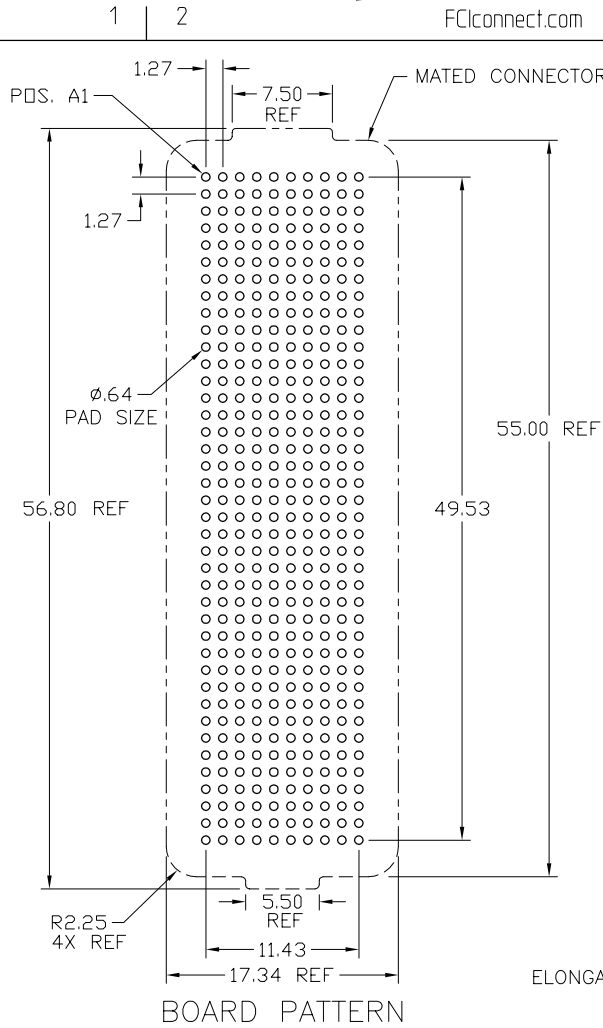
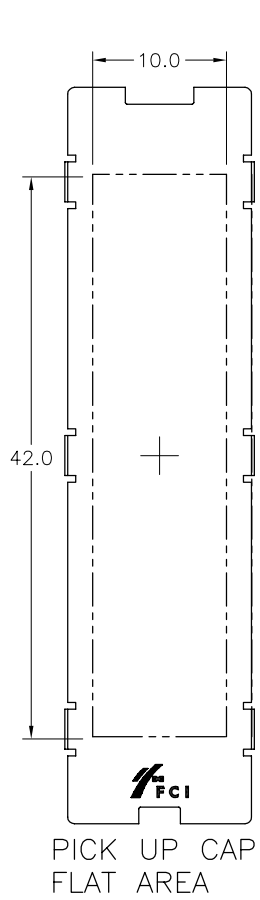


| PRODUCT NO. | SOLDER BALL MATERIAL | CONTACT PLATING |
|-------------|-------------------------|-----------------------------|
| 74220-001 | EUTECTIC SnPb | 15-40u"/.38-1.02um Au |
| 74220-001LF | SnAgCu LEAD FREE (6)(7) | OVER 30-120u"/.76-3.05um Ni |



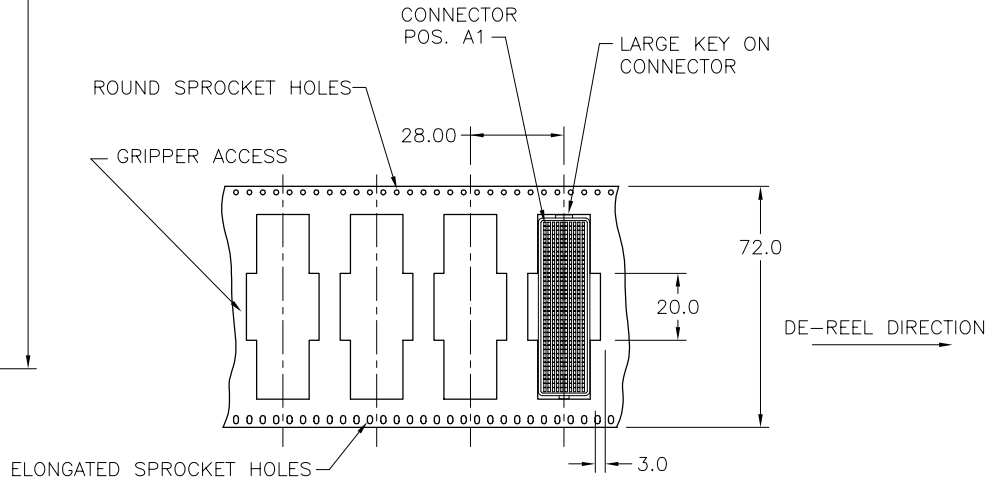
CONFIDENTIAL: INTEL INTERNAL USE ONLY SEE NOTE 3.

| | | | | | | | |
|-------------|----------------|---------|------------|---------------------------------------|-------------------|------------|-----------------------------------|
| mat'l. code | SEE NOTE 1 | surface | ASME Y14.5 | tolerance | ASME Y14.5 | projection | product family |
| ltr | ec'n no | dr | date | tolerances unless otherwise specified | | mm | MEG-ARRAY |
| A | v71483 | DRW | 10-14-97 | angles | X *3 | scale 3:1 | 4mm RECT. ASSY 10X40= 400 POS. |
| B | v80713 | DRW | 4.17.98 | flatness | XX *13 | | |
| C | v81013 | DRW | 6.2.98 | 0° ±2' | XXX *051 | | |
| D | v00181 | HLJ | 9.07.00 | dr | M.J.WENDEL 970917 | | sheet 1 of 3 |
| E | v04-0940 | VS | 10/27/04 | engr | T.LEMKE 10.14.97 | | size |
| F | v05-1071 | DAI | 12/21/05 | chr | T.LEMKE 10.14.97 | | A4 |
| G | v06-0560 | LP | 2006/06/23 | appd | T.LEMKE 10.14.97 | | type |
| | | | | | | | CUSTOMER Drawing |
| sheet index | revision sheet | G | G | G | | | |
| | | 1 | 2 | 3 | | | |



MATED HEIGHT AFTER REFLOW IS BASED ON $\phi .64$ mm PAD (METAL-DEFINED) AND $.13$ mm SOLDER PASTE STENCIL THICKNESS.

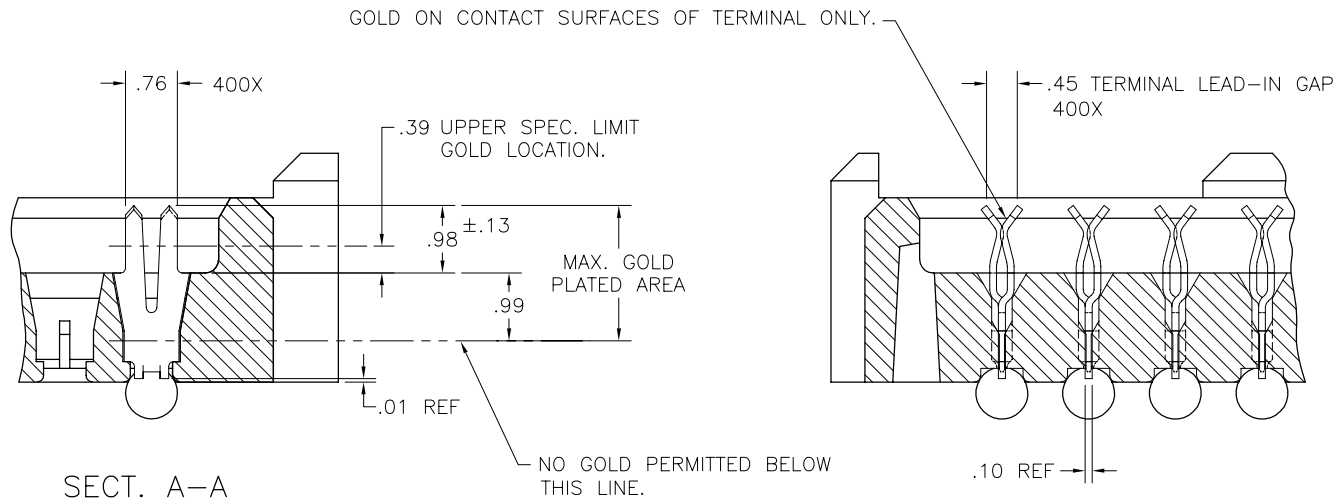
END VIEW - MATED CONNECTORS SCALE NONE



TAPE & REEL PACKAGING SCALE NONE

CONFIDENTIAL: INTEL INTERNAL USE ONLY. SEE NOTE 3.

| | | | | | |
|---------------------------|----------------|-------------------------|-------------------------|---------------------------------------|---|
| mat'l. code SEE NOTE 1 | | surface ASME Y14.5 ✓ | tolerance ASME Y14.5 | projection | product family MEG-ARRAY |
| ltr | ecr no | dr | date | tolerances unless otherwise specified | title |
| g | | | | angles X *3 XX *13 0° ±2' | 4mm RECPT. ASSY 10X40= 400 POS. |
| | | | | time per XXX +051 | scale 2:1 |
| | | dr | M.J.WENDEL | 970917 | dwg no 74220 sheet 2 of 3 size A4 type CUSTOMER Drawing |
| | | enr | T.LEMKE | 10.14.97 | |
| | | chr | T.LEMKE | 10.14.97 | |
| | | appd | T.LEMKE | 10.14.97 | |
| sheet index | revision sheet | | | | |



SECT. A-A

SECT. B-B
ROTATED 90° C.W.

NOTES:

- ①. **MAT'L:**
HOUSING: LCP (GRADE PROPRIETARY).
CONTACT: BeCu/C17200.

PLATING:
CONTACT: 15-40u"/.38-1.02um Au OVER 30-120u"/.76-3.05um Ni.
SOLDER BALL: (SEE TABLE ON SHEET1)
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu

- ②. SOLDER BALLS WILL NOT BE PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT. NOMINAL INITIAL SOLDER BALL ϕ .76 (.030").
- ③. DRAWING NO. 74221 TO BE USED FOR INTEL CUSTOMERS (OEM).
- ④. REFER TO 07-747 INTEL PROCUREMENT SPEC.
- ⑤. SOLDER BALL HEIGHT TOLERANCE PENDING FINAL AGREEMENT.
- ⑥. FOR PROPER APPLICATION FOLLOW FCI APPLICATION SPECIFICATION GS-20-033 LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI APPLICATION SPECIFICATION
- ⑦. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008 PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION

CONFIDENTIAL: INTEL INTERNAL USE ONLY SEE NOTE 3.

| | | | | | | | | | |
|---------------------------|----------------|-------------------------|------------|---------------------------------------|----------|-----------------|--------------------------|--|------------|
| mat'l. code SEE NOTE 1 | | surface ASME Y14.5 ✓ | | tolerance ASME Y14.5 | | projection ⊕ | | product family MEG-ARRAY | |
| ltr | ecr no | dr | date | tolerances unless otherwise specified | | | | | |
| g | | | | angles | line fit | mm | | title 4mm RECPT ASSY 10X40= 400 POS. | |
| | | | | 0° ±2' | | scale 10:1 | | dwg no 74220 | |
| | | dr | M.J.WENDEL | 971013 | FCI | | sheet 3 of 3 | | size A4 |
| | | enr | T.LEMKE | 10.14.97 | | | type CUSTOMER Drawing | | |
| | | chr | T.LEMKE | 10.14.97 | | | | | |
| | | appd | T.LEMKE | 10.14.97 | | | | | |
| sheet index | revision sheet | | | | | | | | |