

**NOTES:**

- 1 THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101 AND BELLCORE GR-1217-CORE
- 2 ROHS DIRECTIVE COMPLIANCE, MAX SOLDERING TEMPERATURE 225°C.
- 3 CONNECTORS ARE END STACKABLE ON A 2.0 GRID.
- 4 FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE PLATING VIEW. MINIMUM P.C.BOARD THICKNESS 1.57 NOMINAL.
- 5 DIMENSIONS APPLY AFTER INSTALLATION IN P.C.BOARD.
- 6 CONNECTOR WITH MIXED PIN LENGTH.SELECTIVE LOADING PER PICMG™(COMPUTER TELEPHONY SPECIFICATIONS) 2.5 R1.0 APRIL 3, 1998 SEE SELECTIVE LOADING CHART AND LOADING PATTERN.
- 7 0.2 MAX. GAP PERMISSIBLE TO P.C.BOARD

**SPECIFICATIONS**

**MATERIALS**

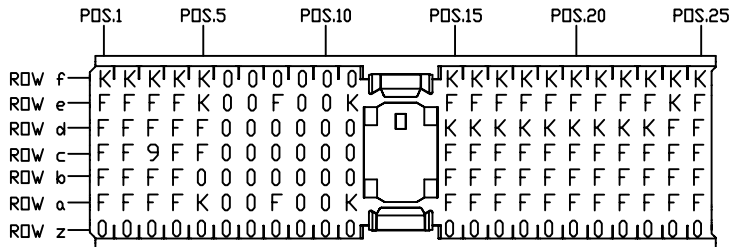
- ① Insulators: Thermoplastic Polyester, glass filled  
Rated UL 94V-0, Color: Gray
- ② Pin contacts:  
Copper Alloy  
Finish: Mating Zone=Gold  
Compliant Zone=Tin/Lead(Matte Tin)  
Performance Class 2= 250 cycles

**PERFORMANCE CHARACTERISTICS**

- Insulation resistance: 10000 megohms minimum
- Dielectric withstanding voltage(at sea level): 750 Vrms
- Current rating:  
1 amp @70°C, fully loaded  
1.5 amp @20°C, fully loaded
- Operating temperature range: -55°C to +125°C
- Contact resistance: 20 milliohms maximum

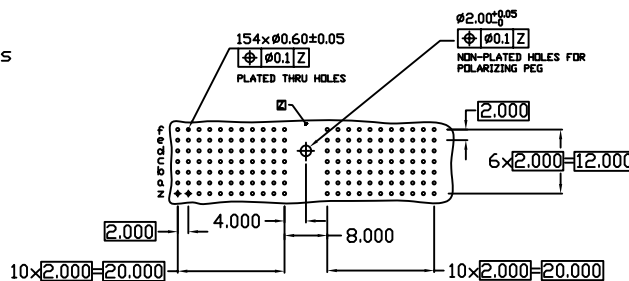
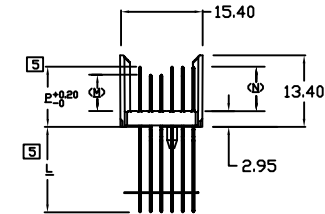
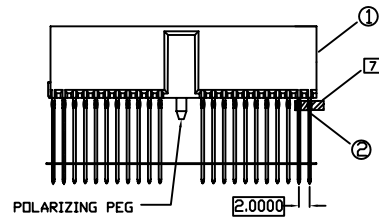
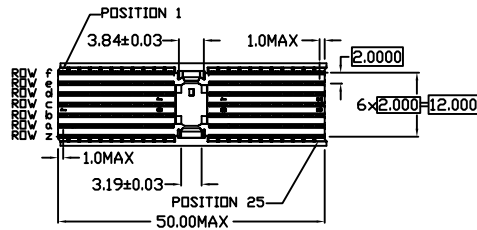
**COMPLIANT CONTACT**

- Max.Insertion Force(per contact): 22.5 lbs./100 N
- Min. Retention force(per contact): 4.5 lbs./20 N

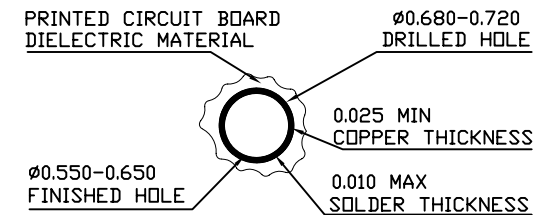


| PIN CODE | SELECTIVE LOADING CHART   |            |           |                      |
|----------|---------------------------|------------|-----------|----------------------|
|          | MATING LENGTH OF CONTACTS |            |           | CONTACT TAIL LENGTHS |
|          | SIGNAL                    | ALL        | GROUND    |                      |
|          | M                         | P          | N         | L                    |
| 9        | .209/5.30                 | .323/8.20  | N/A       | .630/16.00           |
| F        | .268/6.80                 | .382/9.70  | N/A       | .630/16.00           |
| K        | .327/8.30                 | .441/11.20 | .327/8.30 | .630/16.00           |

**SELECTIVE LOADING PATTERN**



**RECOMMENDED PC BOARD REQUIREMENTS**  
(COMPONENT SIDE BOARD SHOWN)



**THRU HOLE PLATING**  
SCALE 10:1

|   |                            |                              |        |
|---|----------------------------|------------------------------|--------|
| DESIGN UNITS<br>mm INCH                   | NAME:<br>2MM HEADER A TYPE | All connectors               |        |
| GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) | PART NO:<br>NX5A0BA54X04CA | TITLE:<br>CUSTOMER DWG C     |        |
| 4 PLACE ±0.05 ±.***                       | APPD:                      | DWG. NO:<br>C-NX5A0BA54X04CA |        |
| 3 PLACE ±0.10 ±.***                       | CHKD:                      | SCALE:                       | SHEET: |
| 2 PLACE ±0.20 ±.***                       | DRAWN: 廖小瓊 6/30/06         | 1 / 1                        | 1 / 1  |
| 1 PLACE ±0.30 ±.***                       |                            | REV.:                        | A      |
| ANGULAR: X°±.*** X°±.***                  |                            |                              |        |

| REV. | ECN. NO. | DESCRIPTION | DATE     | DRAWN | APPD |
|------|----------|-------------|----------|-------|------|
| A    | **       | Release     | 06/30/06 | 廖小瓊   |      |