

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 ①

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

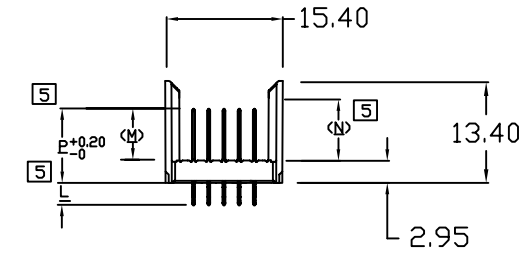
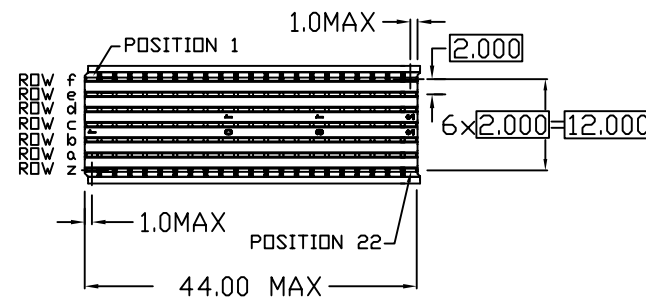
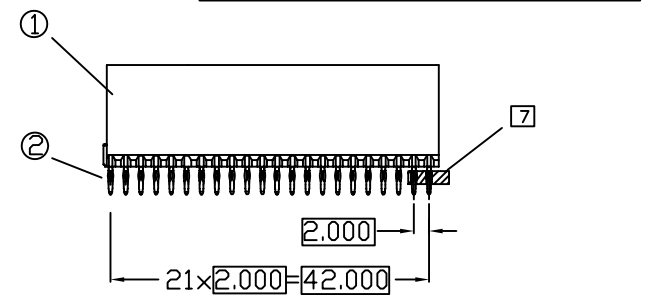
COMPLIANT CONTACT

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

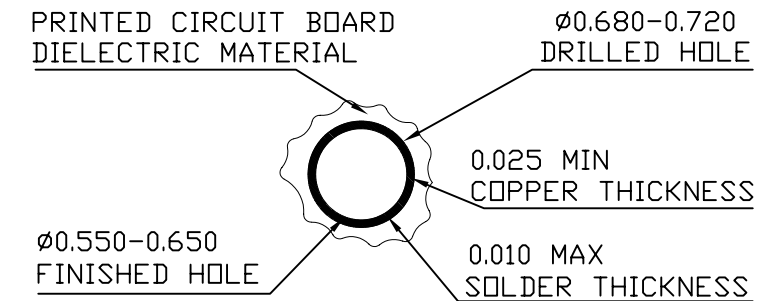
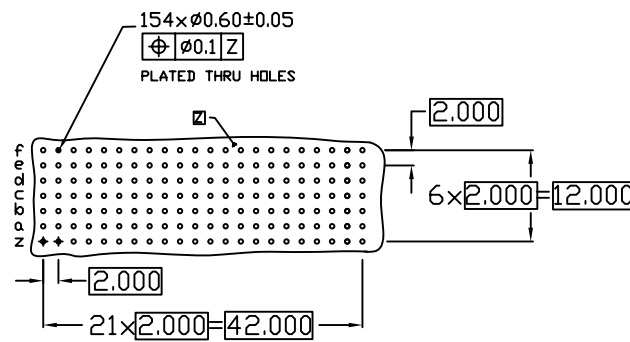
| | | | | | | | |
|-------|---|-------|-------|--------|--------|--------|---|
| | | POS.1 | POS.5 | POS.10 | POS.15 | POS.22 | |
| ROW f | | 0 | 0 | 0 | 0 | 0 | 0 |
| ROW e | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ROW d | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ROW c | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ROW b | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ROW a | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ROW z | 0 | 1 | 0 | 1 | 0 | 1 | 0 |

| PIN CODE | MATING LENGTH OF CONTACTS | | | CONTACT TAIL LENGTHS |
|----------|---------------------------|-----------|--------|----------------------|
| | SIGNAL | ALL | GROUND | |
| 4 | M | P | N | L |
| 5 | .209/5.30 | .323/8.20 | N/A | .146/3.70 |
| | .268/6.80 | .382/9.70 | N/A | .146/3.70 |

SELECTIVE LOADING PATTERN



CATALOG No. NX5B0BC01X00AA SHOW



THRU HOLE PLATING
SCALE 10:1

RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE BOARD SHOWN)

| | | | |
|-------------------------------------------|-------------------------|---------------------------|------------|
| DESIGN UNITS ■ mm □ INCH | NAME: 2MM HEADER B TYPE | All Connectors | |
| GENERAL TOLERANCES: (UNLESS SPECIFIED) | PART NO: NX5B0BC01X00AA | TITLE: CUSTOMER DWG | C |
| 4 PLACE ± 0.05 ±.*** | APPD: | DWG. NO: C-NX5B0BC01X00AA | |
| 3 PLACE ± 0.10 ±.*** | CHKD: | SCALE: 1/1 | SHEET: 1/1 |
| 2 PLACE ± 0.20 ±.*** | DRAWN: 何潔賢 5/29'06 | REV.: A | |
| 1 PLACE ± 0.30 ±.*** | | | |
| ANGULAR: X°±.*** | | | |

| | | | | | |
|------|----------|-------------|----------|-------|------|
| A | ** | Release | 05/29'06 | Jexan | |
| REV. | ECN. NO. | DESCRIPTION | DATE | DRAWN | APPD |