

NOTES:

- 1
- THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101 AND BELLCORE GR-1217-CORE
- 2
- DELETED.
- 3
- CONNECTORS ARE END STACKABLE ON A .07874/2.0 GRID.
- 4
- FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE PLATING VIEW. MINIMUM P.C. BOARD THICKNESS .062/1.57 NOMINAL.
- 5
- DIMENSIONS APPLY AFTER INSTALLATION IN P.C. BOARD.
- 6
- DELETED.
- 7
- .0078/0.2 MAX. GAP PERMISSIBLE TO P.C. BOARD.
- 8
- TELCORDIA (BELLCORE) CERTIFIED LUBRICANT PER GR-1217-CORE.
- 9
- CONNECTOR HAS A MYLAR STRIP ON THE TAILS FOR EASE OF INSTALLATION.

NX SERIES – MetCon-2® BACKPANEL PIN CONNECTORS

	POS.1	POS.5	POS.10	POS.15	POS.20	POS.25
ROW f	6	6	6	6	6	6
ROW e	4	4	4	4	4	4
ROW d	4	4	4	4	4	4
ROW c	4	4	4	4	4	4
ROW b	4	4	4	4	4	4
ROW a	4	4	4	4	4	4
ROW z	6	6	6	6	6	6

REV	DESCRIPTION	BY DATE	APPD
C	REVISED PER ECR# 7849	C.M.B. 10/20/03	LMD

SELECTIVE LOADING CHART				
PIN CODE	MATING LENGTH OF CONTACTS			CONTACT TAIL LENGTHS
	SIGNAL	ALL	GROUND	
	(M)	P	(N)	L
4	.209/5.30	.323/8.20	N/A	.146/3.70
6	N/A	.441/11.20	.327/8.30	.146/3.70
7	.209/5.30	.323/8.20	N/A	.512/13.00

SELECTIVE LOADING PATTERN

SPECIFICATIONS

MATERIALS

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

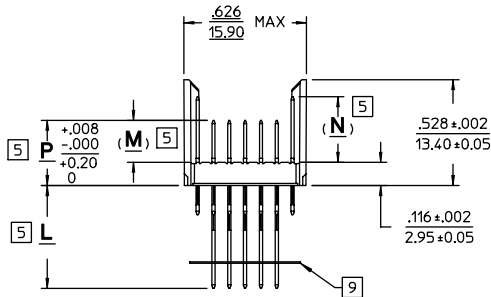
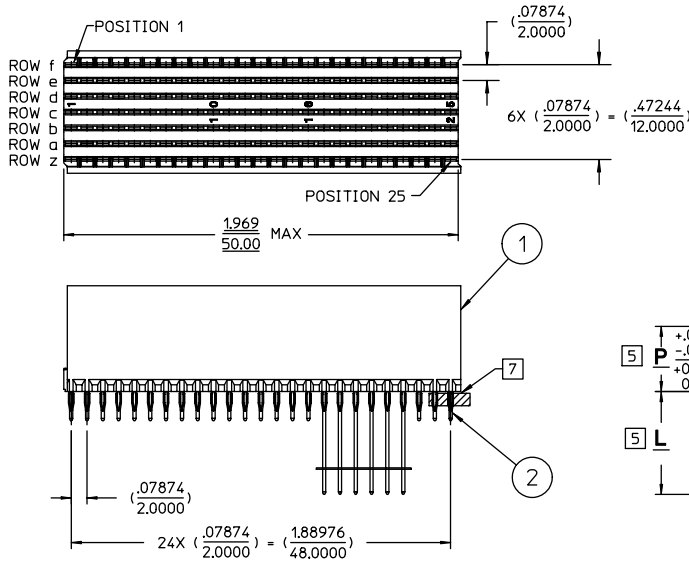
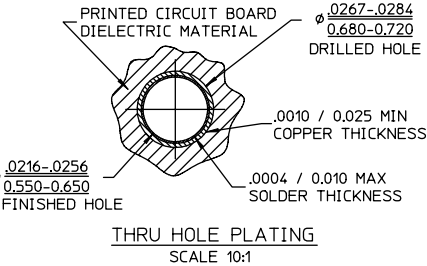
PERFORMANCE CHARACTERISTICS 1

Insulation resistance ————— 5,000 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
cUL Approved ————— File E31650

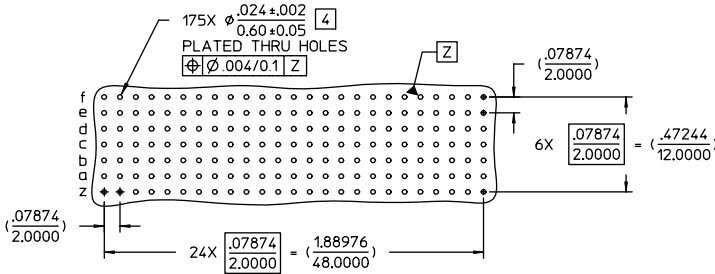
Compliant Contact

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

CUSTOMER TOOLING REQUIRED			
DESCRIPTION	SEATING TOOL CATALOG No.	INSTRUCTION SHEET	DRAWING NUMBER
BACKPANEL MODULE TYPE B25 POSITION	107-43897-01	43500	43897
INSERTION UNIT HOLDER 5 + 2 ROW MODULES	107-43901-01	43500	43901
INSERTION TOOL FOR INDIVIDUAL SHIELDING CONTACTS	107-43900-01	43505	43900
INSERTION TOOL FOR INDIVIDUAL SIGNAL CONTACTS	107-43899-01	43504	43899
EXTRACTION TOOL FOR INDIVIDUAL CONTACTS	107-43898-01	43503	43898



CATALOG No. NX5B0BB92X01CA SHOWN



RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)

NX5B0BB92X01CAL	LUBRICATED 8
NX5B0BB92X01CA	STANDARD
CATALOG No.	DESCRIPTION

PER ASME Y14.5M-1994
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES OR INCHES/MM
TOLERANCES: .MM
DECIMALS .XX ± .02/0.5
.XXX ± .004/0.10
ANGLES ± -- SCALE: 1:1

CUSTOMER
DRAWING

DRAWN DATE APPROVED DATE
M.J.C. 04/18/00 W.P.M. 04/20/00
APPROVED DATE APPROVED DATE
A.E.E. 04/20/00 N.McMeekin 04/24/00

Litton

Winchester
Reiconn
400 Park Road
Waterford, Connecticut
06795

TITLE
MetCon-2® NX5 SERIES
BACKPANEL CONNECTOR
MODULE STYLE B25

A 29750 SHT. 1 of 1 REV. C