NOTES:

1. THIS CONNECTOR IS DESIGNED TO MEET THE APPLICABLE PERFORMANCE REQUIREMENTS OF IEC 61076-4-101.
2. CONNECTORS ARE END STACKABLE ON A .07874in/2mm GRID.
3. FOR COMPLIANT CONTACT PLATED THRU HOLE REQUIREMENTS SEE THRU HOLE PLATING VIEW. MINIMUM P.C. BOARD THICKNESS .062/1.57 NOMINAL
4. NO GAP PERMISSIBLE TO PC BOARD.
5. DELETED.
6. OPTIONAL BOTTOM SHIELD SOLD SEPARATELY.

REV	DESCRIPTION	BY DATE	APPD
G	REVISED PER ECR# 7997	C.W.B. 02/09/04	LMD

NX SERIES MetCon-2® Daughtercard Socket Connectors

NX6B0BA11A1AF

2mm DAUGHTERCARD SOCKET CONNECTOR WITH 95 COMPLIANT SIGNAL CONTACTS, FULLY LOADED, TOP SHIELD [6]

SPECIFICATIONS

MATERIALS

(1)	Insulators	Thermoplastic Polyester, glass filled Rated UL 94V-0. Color: Gray
(2)	Contacts	Copper Alloy Finish: Mating Zone = 30µ Gold over Nickel Compliant Zone = Tin/Lead Performance Level 2 = 250 cycles
(3)	Top Shield	Copper Alloy Finish: Nickel Plate

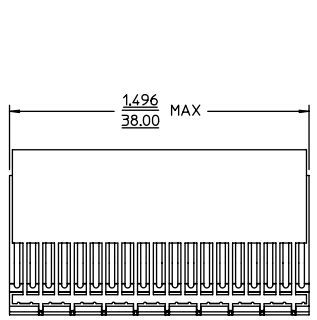
PERFORMANCE CHARACTERISTICS [1]

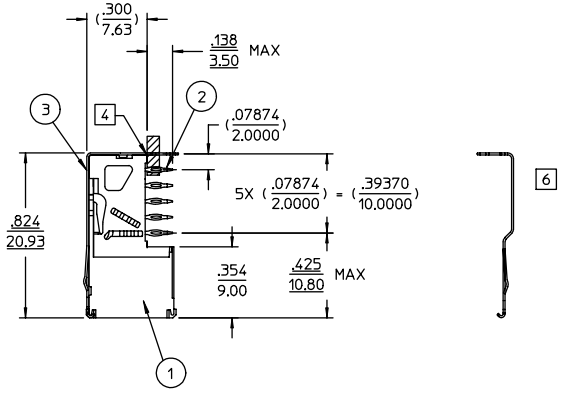
Insulation resistance	5,000 megohms minimum
Dielectric withstanding voltage (at sea level)	750 Vrms
Current rating	1 amp @ 70°C, fully loaded 1.5 amp @ 20°C, fully loaded
Operating temperature range	-55°C to +125°C
Contact resistance	20 milliohms maximum
cUL Approved	File E31650

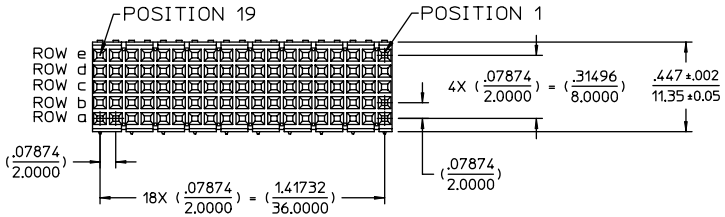
Compliant Contact

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

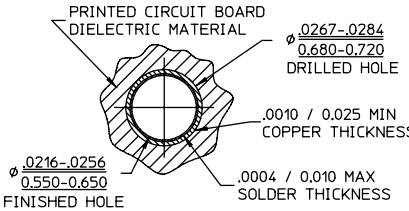
CUSTOMER TOOLING REQUIRED			
DESCRIPTION	SEATING TOOL CATALOG No.	INSTRUCTION SHEET	DRAWING NUMBER
3U CompactPCI™ DAUGHTERCARDS PCB ASSEMBLY FIXTURE	107-43926	43521	43926
3U/6U CompactPCI™ DAUGHTERCARDS PCB ASSEMBLY FIXTURE	107-43927	43521	43927
FLAT ROCK SOCKET INSERTION TOOL FOR 5 ROW, 38 mm LONG SOCKET MODULES	107-43928-03	43521	43928



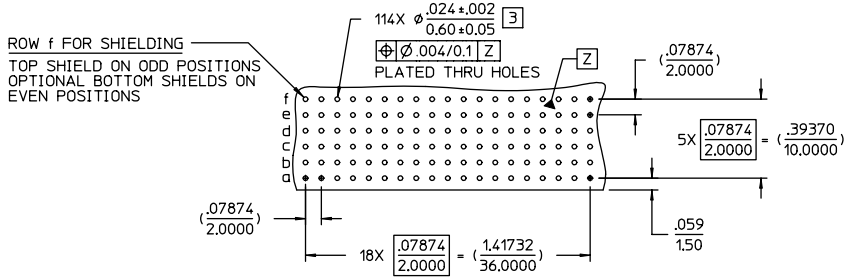




CATALOG No. NX6B0BA11A1AF SHOWN



THRU HOLE PLATING
SCALE 10:1



RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)

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
C.W.B.	03/31/99	W.P.M.	04/21/99
APPROVED	DATE	APPROVED	DATE
A.E.E.	04/21/99	S.W.A.	04/21/99

NORTHROP GRUMMAN
Winchester Electronics
62 Barnes Industrial Road North
Wallingford, CT 06492

TITLE
MetCon-2® NX6 SERIES
DAUGHTERCARD SOCKET CONNECTOR
MODULE STYLE B19

A	29634	SHT. 1 OF 1	REV. G