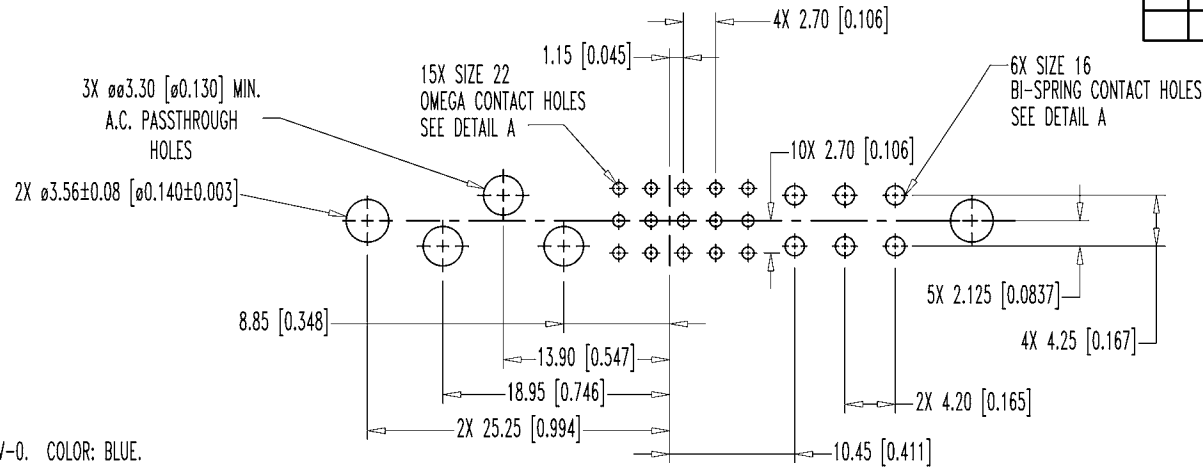


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DATE	REV	REVISION RECORD	APP	DR	CK
5-20-04	NC	ECO 22457	RCW	YK	COLE
8-1-05	A	ECO 24437		TH	



NOTES:

1. MATERIALS AND FINISHES:

INSULATOR: GLASS FILLED POLYESTER, UL 94V-0. COLOR: BLUE.
 SIZE 16 CONTACTS: HIGH CONDUCTIVITY PRECISION MACHINED COPPER ALLOY WITH GOLD FLASH OVER NICKEL.
 SIZE 22 CONTACTS: PRECISION MACHINED COPPER ALLOY WITH GOLD FLASH OVER NICKEL.

2. ELECTRICAL CHARACTERISTICS:

CONTACT CURRENT RATING:

SIZE 16 POWER CONTACTS:
 POSITIONS 22, 23 AND 24: 45 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD.

POSITIONS 1-6: 35 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD.

SIZE 22 SIGNAL CONTACTS: 3 AMPERES NOMINAL.
 INITIAL CONTACT RESISTANCE; PER IEC 512-2, TEST 2b.

SIZE 16 CONTACT: 0.0007 OHMS MAXIMUM.

SIZE 22 CONTACT: 0.004 OHMS MAXIMUM.

INSULATOR RESISTANCE: 5 G OHMS PER IEC 512-2, TEST 3a.

VOLTAGE PROOF:

CONTACTS: 22, 23 AND 24: 3,000 V r.m.s.

CONTACTS: 1 THROUGH 6: 1,500 V r.m.s.

CONTACTS: 7 THROUGH 21: 1,000 V r.m.s.

CREEPAGE AND CLEARANCE

DISTANCE; MINIMUM:

CONTACT 24 TO CONTACT 22: 3.2 [0.126]

CONTACT 23 TO CONTACT 22: 3.2 [0.126]

CONTACT 24 TO SIGNAL CONTACTS: 6.4 [0.252]

CONTACT 23 TO SIGNAL CONTACTS: 6.4 [0.252]

CONTACT 24 TO CONTACT 23: 2.5 [0.098]

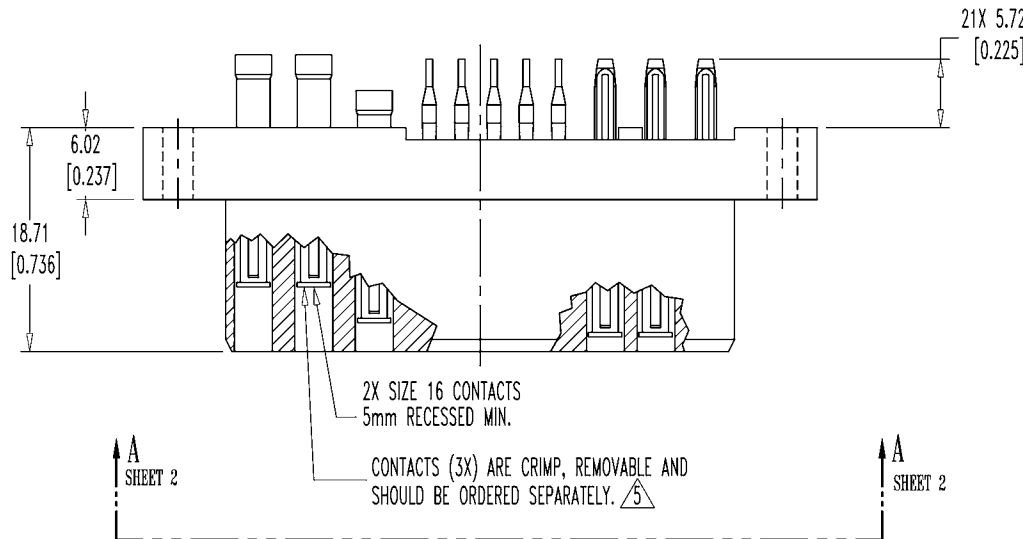
CONTACT 22 TO SIGNAL CONTACTS: 2.0 [0.079]

3. THIS MOS ALLOWS FOR CONNECTOR TO HAVE SPECIAL LOW PROFILE AC PASS THROUGH MOLDING.

4. WORKING TEMPERATURE: -55°C TO +125°C.

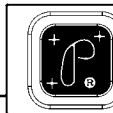
△ USE FC*N25-1565.0 CONTACTS ON CRIMP REMOVABLE POSITIONS, SEE CHART.

6. DIMENSIONS ARE IN MILLIMETERS [INCHES].



A
SHEET 2

A
SHEET 2

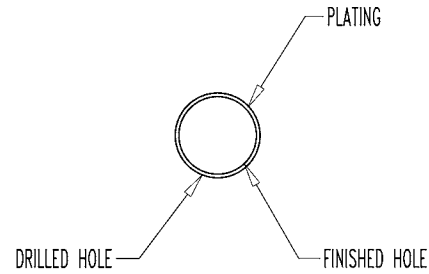


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www.connectpositronic.com

PART NUMBER	WIRE SIZE mm ² /[awg]
FC112N2S-1565.0	4.0/[12]
FC114N2-1565.0	2.5-1.5/[14-16]
FC116N2-1565.0	1.5-1.0/[16-18]

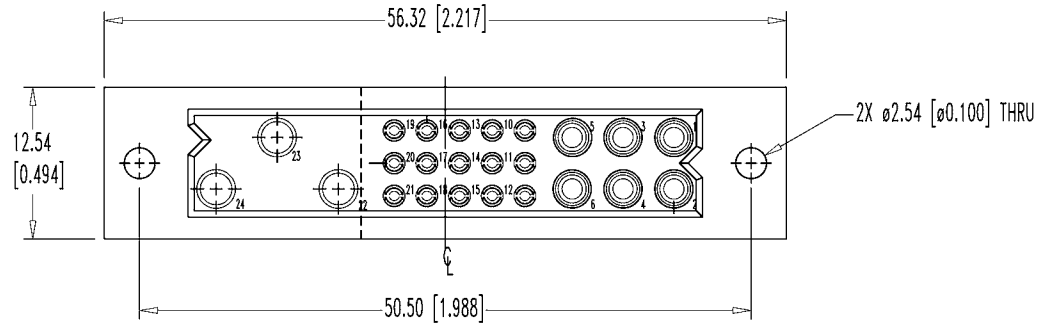
DECIMAL TOL. ± 0.38 [0.015]	SCALE N.T.S.	DRAWN BY YK
ANGULAR TOL. ± 5°	APPROVED BY RCW	
TITLE PCI SERIES		
DATE 5-20-04		
DRAWING NUMBER SK5480		
REV. A		
PCIB24W9F9300A1-246.5		
SHEET 1 OF 2		

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PRESS FIT CONTACT HOLES SEE SK6370

DETAIL A



VIEW A-A