SK7488

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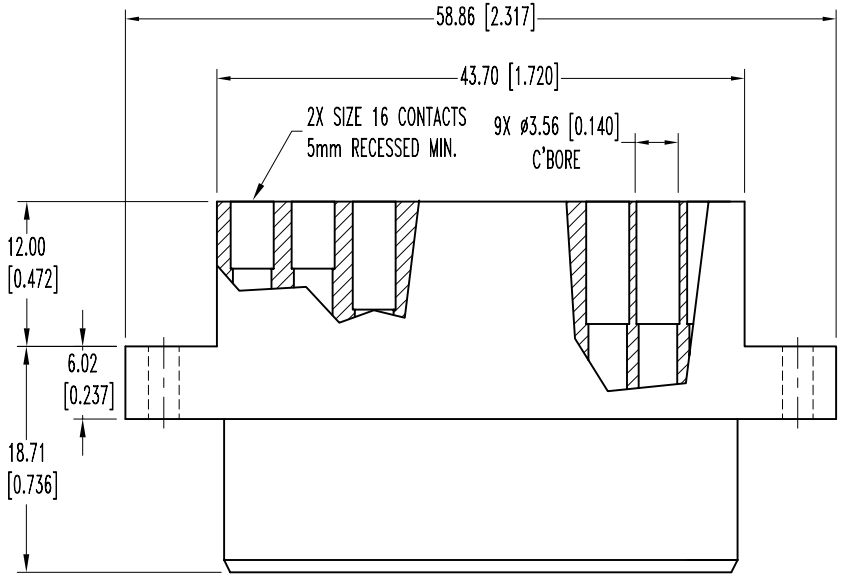
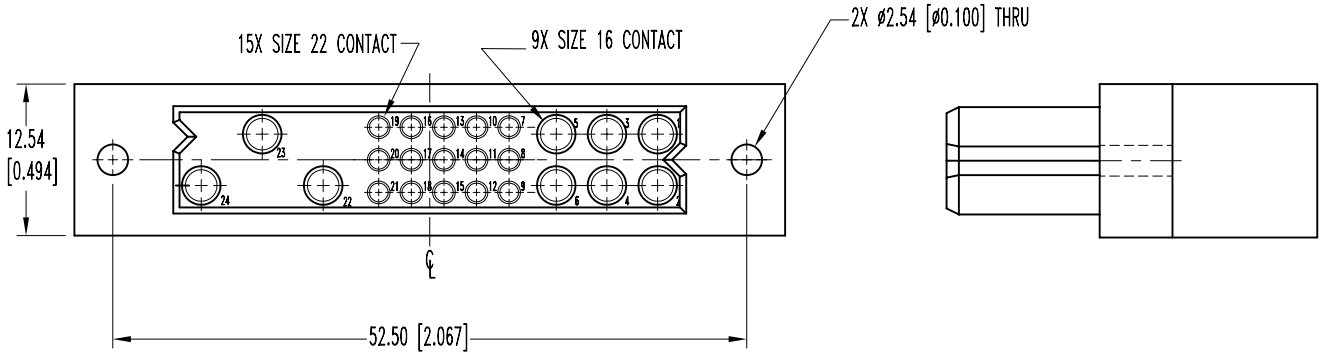
DATE	REV	REVISION RECORD	APP	DR	CK
5-30 06	NC	ECO 26016		ME	



NOTES:

1. MATERIALS AND FINISHES:
   INSULATOR: GLASS FILLED POLYESTER, UL 94V-0. COLOR: BLUE.
   CONTACTS: PRECISION MACHINED
   COPPER ALLOY WITH GOLD FLASH OVER NICKEL.
2. ELECTRICAL CHARACTERISTICS:
   CONTACT CURRENT RATING PER UL 1977:
   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 RATING.
   INITIAL CONTACT RESISTANCE MAXIMUM;
   SIZE 16 CONTACT: 0.0007 OHMS MAXIMUM.
   SIZE 22 CONTACT: 0.004 OHMS MAXIMUM. PER IEC 512-2, TEST 2b.
   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]
   WORKING VOLTAGE:
   CONTACTS: 22, 23 AND 24: 1,000 V r.m.s.
   CONTACTS: 1 THROUGH 6: 500 V r.m.s.
   CONTACTS: 7 THROUGH 21: 333 V r.m.s.
3. WORKING TEMPERATURE: -55°C TO +125°C.
4. CONTACTS CALLED OUT FOR REFERENCE ONLY.
   CONTACTS ORDERED SEPARATELY.
   USE FC422N7 CONTACTS FOR SIZE 22 CONTACTS, SEE TABLE FOR SIZE 16 CONTACTS.
5. CONNECTORS ARE ROHS COMPLIANT PER ROHS DIRECTIVE 2002/95/EC OF 27 JAN 2003.
6. DIMENSIONS ARE IN MILLIMETERS [INCHES].



PART NUMBER	WIRE SIZE mm² /[awg]
FC112N2S-1565.0	4.0/[12]
FC114N2S-1565.0	2.5-1.5/[14-16]
FC116N2S-1565.0	1.5-1.0/[16-18]

POSITRONIC INDUSTRIES INC.
www.connectpositronic.com

DECIMAL TOL. ±0.38 [0.015]
ANGULAR TOL. ±5°

PCIB SERIES | SCALE N.T.S. | DRAWN BY M. ENEA | APPROVED BY

TITLE: PCIB24W9F8000/AA

DATE 5-30-06 | DRAWING NUMBER SK7488 | REV. NC

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