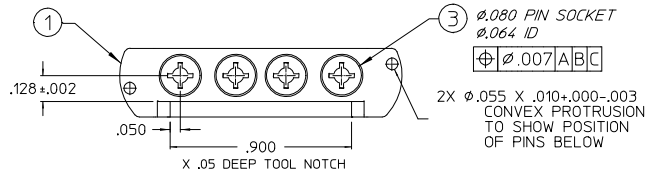
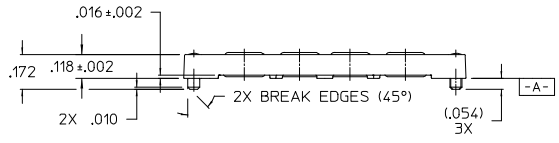
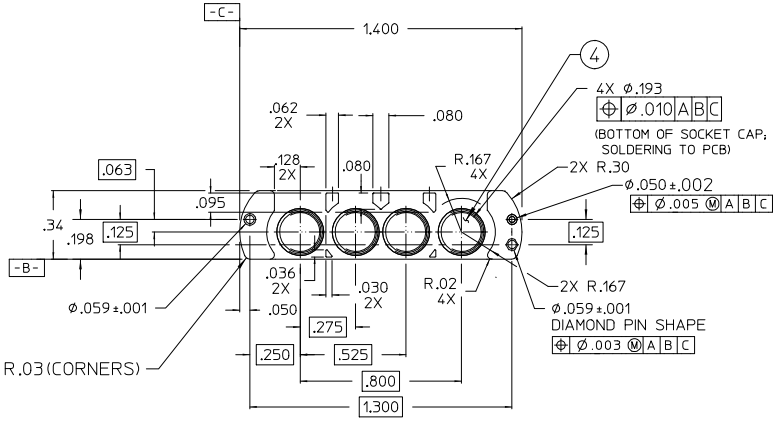
REV.	DESCRIPTION		DATE	APPROVED
01	RELEASED PER E0230210	GCK	6/7/02	PEI
2	REVISED PER E111103	GCK	11/11/11	EF

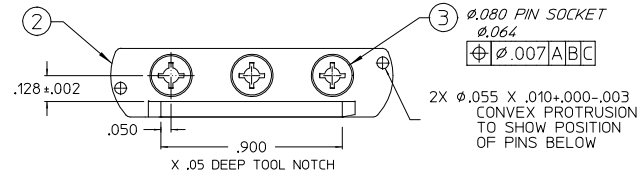
INPUT CONNECTOR

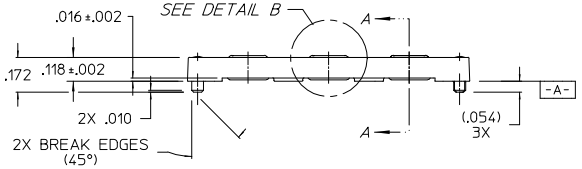


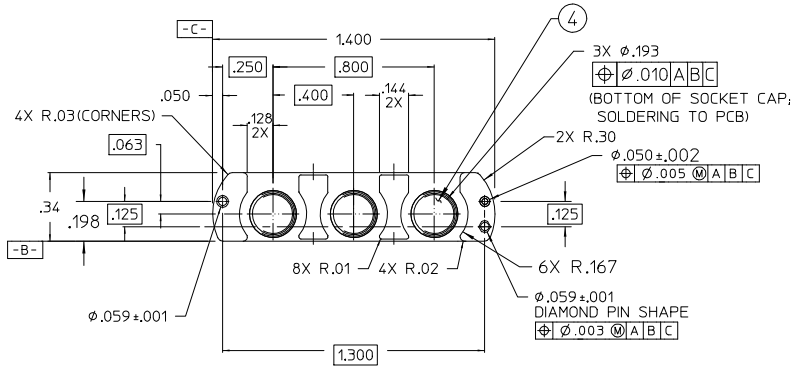




OUTPUT CONNECTOR







NOTES:

1. MATERIALS:
   A. SOCKETS: BE-CU #25, Au PLATED.
   B. CAPS: 260 BRASS, Au PLATED.
   C. HOUSINGS: VECTRA E150i, LIQUID CRYSTAL POLYMER, 50% GLASS FILLED, BLACK COLOR.
   D. SOLDER PASTE: SN95/SB5 NO CLEAN.

2. PARTS MUST BE KEPT CLEAN & FREE OF OILS; USE FINGER COTS WHEN HANDLING SOCKETS AND CAPS.

3. CAP PASTE DISPENSE INFORMATION (SEE FIGURE 1):

SOCKET/CAP SIZE	DISPENSE TIP P/N	PASTE WEIGHT	CAP PASTE PATTERN ID
.080 DIA	24040	.018 TO .024 GRAMS	(REF: .13 DIA MIN.)

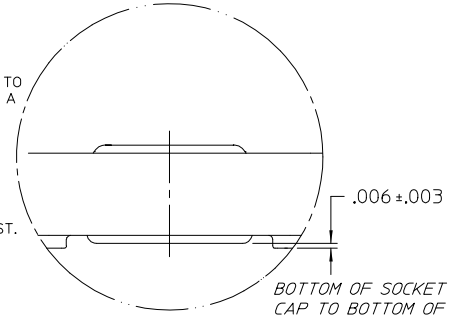
   FIGURE 1 SHOWS DISPENSE PATTERN USED FOR THE INTERNAL HIGH-TEMP SOLDER USED TO CONSTRUCT SURFMATES. THIS IS NOT THE PCB SOLDER PATTERN. FOR ATTACHEMENT TO A PCB SEE DRAWINGS 16807, 16808, 16809.

4. CAPS MUST BE FULLY INSERTED INTO PLASTIC HOUSING. AFTER SOLDERING CAP CO-PLANARITY (RELATIVE HEIGHT VARIATIONS) TO BE WITHIN .006, USING VICOR INSPECTION GAGE PN 22177 SEE DETAIL B.

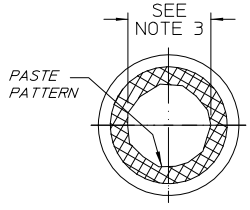
5. AFTER ASSEMBLY, SOCKET CONTACT SURFACES SHALL BE FREE OF SOLDER. ALL SOCKETS SHALL BE CAPABLE OF WITHSTANDING A 15 LBS (MINIMUM) PULL FORCE TEST. THE MAXIMUM LOW LEVEL CONTACT RESISTANCE REQUIREMENT FOR THE .080" SOCKET SIZE SHALL BE 400 MICRO-OHMS.

6. AFTER ASSEMBLY, CAPS SHALL MEET SOLDERABILITY REQUIREMENTS PER MIL-STD-202F, METHOD 208F AFTER EXPOSURE TO 8 HRS STEAM AGING PER MIL-STD-883, METHOD 2003.

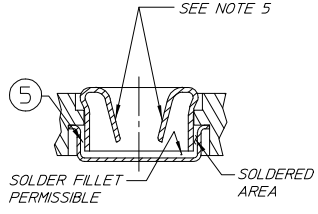
7. RoHS COMPLIANT PER CST-0001 LATEST REVISION.



DETAIL B
SCALE: 8X



CAP DISPENSE PATTERN
FIGURE 1.
SCALE: 6X



SOLDER DETAIL
SEE NOTE 5
SEC A-A
SCALE: 6X

DRAWN BY	DATE
RCM	4/15/98

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCES ARE: FRACTIONS ±1/64 DECIMALS .XX± ±.01 .XXX± .005 ANGLES ±1°

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

VICOR

ASSY DWG, VI-700 SURFMATE

SIZE	FSCM NO.	DWG NO	REV
C	67131	18761	2

SCALE 2X SHEET 1 OF 1