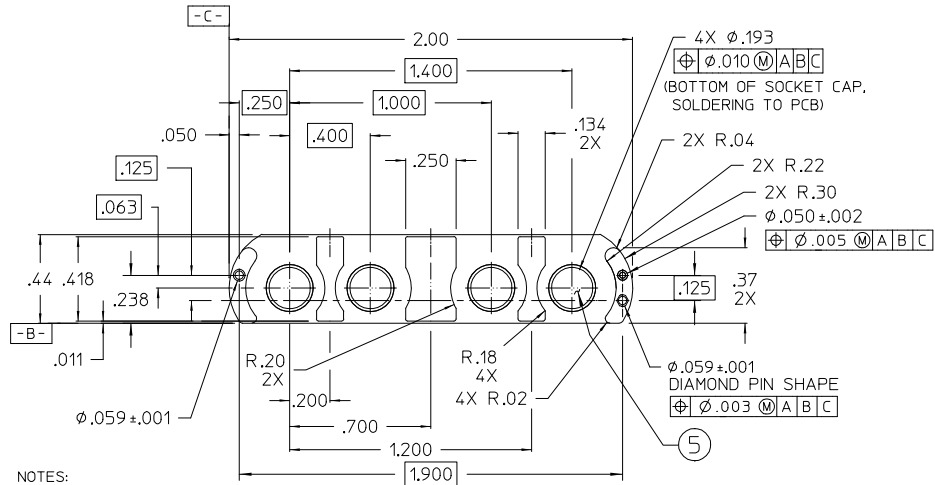
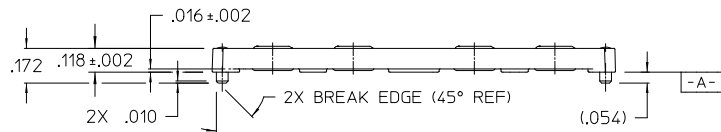
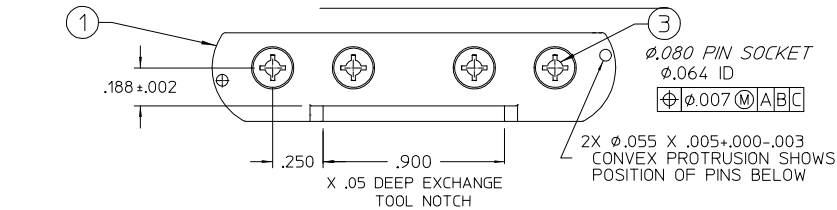


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REV.	DESCRIPTION	DATE	APPROVED
01	RELEASED PER E0230210	GCK	6/7/02
2	REVISED PER E11103	GCK	11/11/11

INPUT CONNECTOR



NOTES:

- 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.

- 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.)
.150/.180 DIA	24041	.037 TO .044 GRAMS	(REF: .22 DIA MIN.)

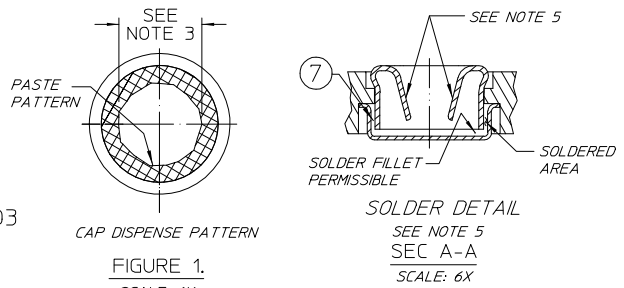
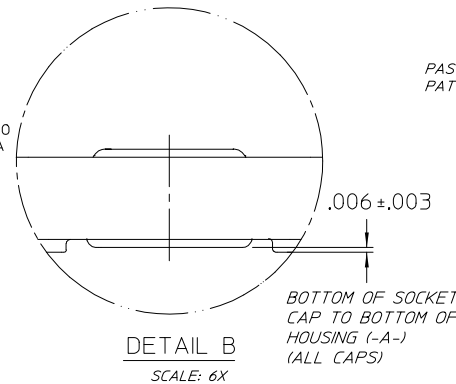
FIGURE 1 SHOWS DISPENSE PATTERN USED FOR THE INTERNAL HIGH-TEMP SOLDER USED TO CONSTRUCT SURFMATES. THIS IS NOT THE PCB SOLDER PATTERN. FOR ATTACHEMENT TO A PCB SEE DRAWINGS 16807, 16808, 16809.

- 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.

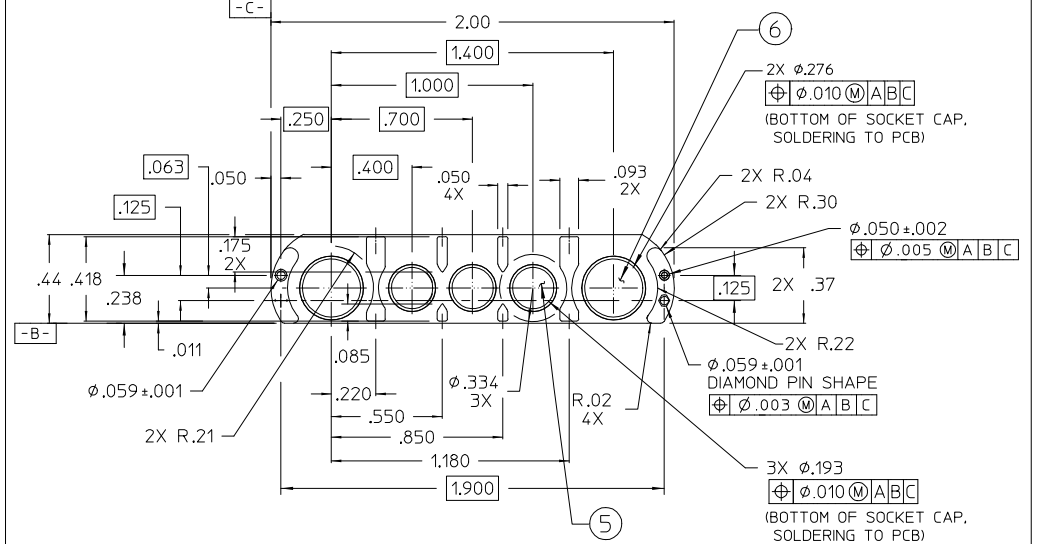
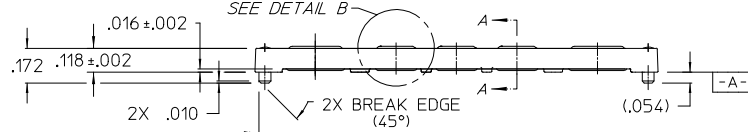
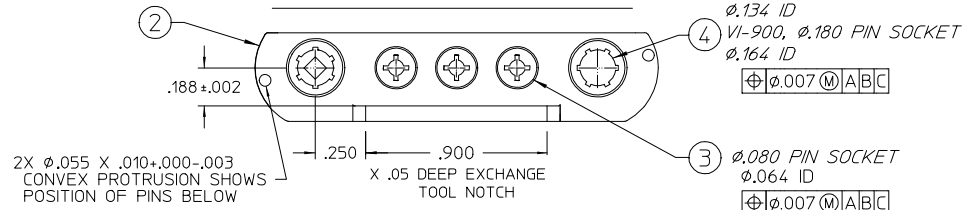
- AFTER ASSEMBLY, SOCKET CONTACT SURFACES SHALL BE FREE OF SOLDER. ALL SOCKETS (.080"/.150"/.180") SHALL BE CAPABLE OF WITHSTANDING A 15 LBS. (MINIMUM) PULL FORCE TEST. THE MAXIMUM LOW LEVEL CONTACT RESISTANCE REQUIREMENT FOR THE (3) SOCKET SIZES SHALL BE 400 / 300 / 200 MICRO-OHMS FOR .080"/.150"/.180" RESPECTIVELY.

- 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.

- RoHS COMPLIANT PER CST-0001 LATEST REVISION.



OUTPUT CONNECTOR



DRAWN BY <i>RCM</i>	DATE 4/15/08			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMALS ANGLES +1/64 .XX+ .01 .X.XX-.005				
THIRD ANGLE PROJECTION	SIZE C	FSCM NO. 67131	DWG NO. 18760	REV 2
DO NOT SCALE DRAWING	SCALE 2X	SHEET 1 OF 1		

ASSY DWG.
VI-800/900 SURFMATE