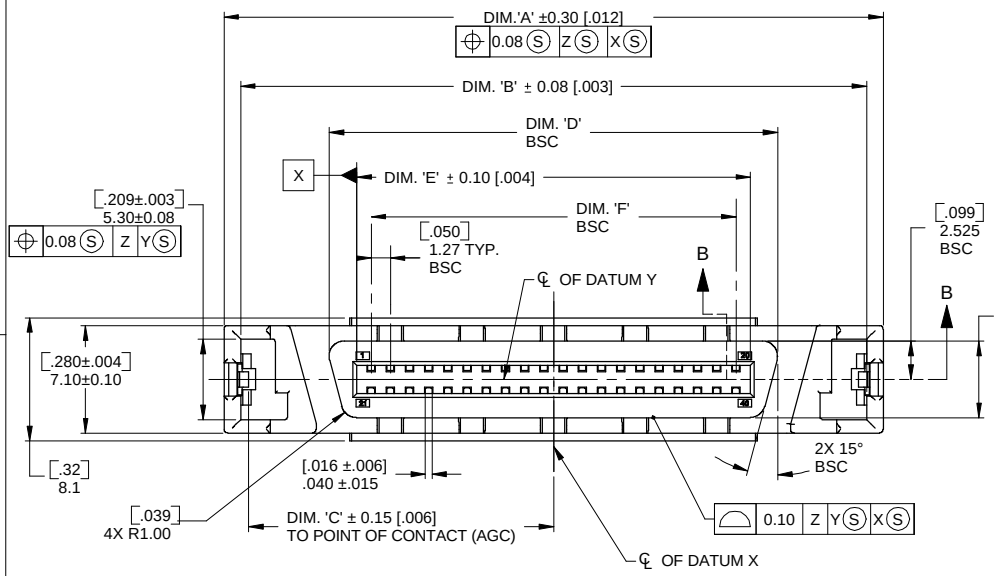
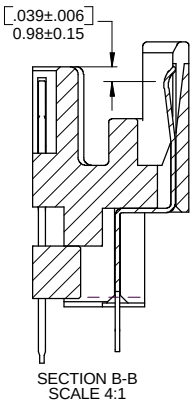
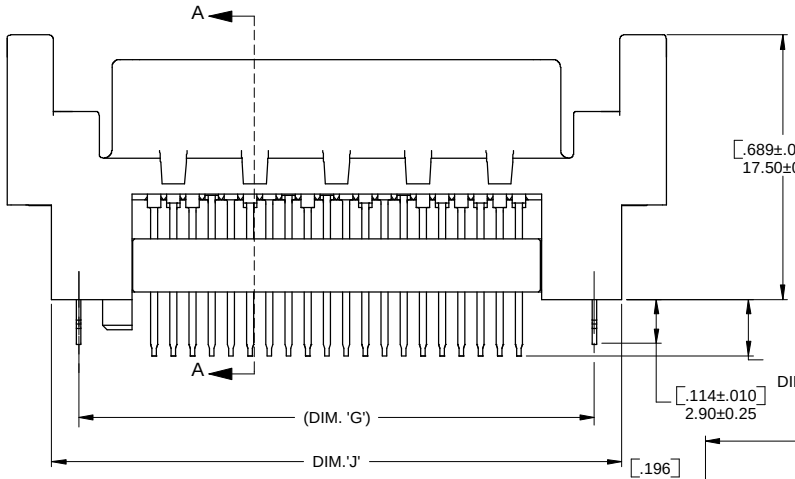
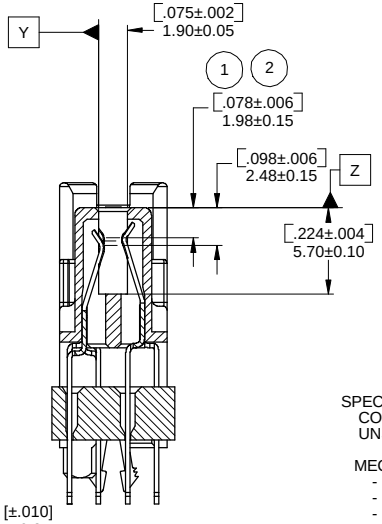
PART NO.	CA-XXSCA2-XF-12

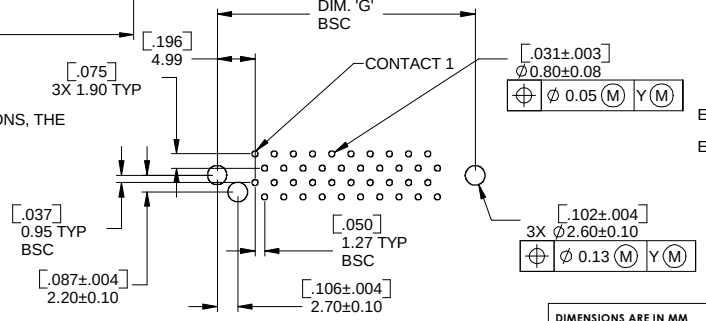
REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	INITIAL RELEASE SEE DO 3931	DL	3-17-00	A.J.
B	SEE DO 4033	LF	6-5-00	B.W.
C	SEE DO 4474	BW	5-15-01	L.F.
D	SEE DO 4497	N.T	5-25-01	B.W
E	SEE DO 4521	N.T	6-08-01	B.W
F	SEE DO 4533	B.W	6-15-01	L.F
G	SEE DO 4558	C.P.	7-18-01	A.J
H	SEE DO 4596	C.P	8-23-01	A.J.
J	SEE DO 4762	C.P.	2-08-02	A.J.
K	SEE DO 4932	C.P.	8-07-02	A.J.
L	SEE DO 4989	C.P.	9-24-02	A.J.











RECOMMENDED PCB FOOTPRINT (COMPONENT SIDE)

CA-XXSCA2-XF-12

NO. OF CONTACT POSITIONS
40
80

SINGLE CONNECTOR ATTACHMENT

TAIL LENGTH (DIM 'H')
BLANK = 3.18 [.125]
3 = 4.60 [.181]

PLATING
CONTACT :
MATING AREA : .76um [30uin] GOLD
TAIL AREA : 3.81um [150uin] TIN/LEAD
UNDERPLATE : 1.27um [50uin] NICKEL
CLIP : 3.81um [150uin] TIN/LEAD OVER 1.27um [50uin] NICKEL

TAIL CONFIGURATION
EXTENDED HEIGHT, SOLDER

SPECIFICATIONS:
CONFORMS TO SFF-8451 SPECIFICATIONS FOR SCA-2 UNSHIELDED CONNECTORS

MECHANICAL
- MATING FORCE : 90g MAX. PER CONTACT
- UNMATING FORCE : : 15g MIN. PER CONTACT
- DURABILITY : 500 CYCLES MINIMUM
- CONTACT MATERIAL : PHOSPHOR BRONZE
- INSULATOR MATERIAL : HIGH TEMPERATURE THERMOPLASTIC BLACK, UL94V-0
- CLIP MATERIAL : BRASS
- CONTACT PLATING:
  MATING AREA : 0.00076 [30uin] GOLD
  TAIL AREA : 0.0038 [150uin] TIN/LEAD
  UNDERPLATE : 0.0013 [50uin] NICKEL
- CLIP PLATING : 0.0038 [150uin] TIN/LEAD OVER 0.0013 [50uin] NICKEL

ENVIRONMENTAL
- TEMPERATURE RANGE : -55˚C TO 105˚C

ELECTRICAL
- VOLTAGE RATING : 250V AC
- DIELECTRIC WITHSTANDING VOLTAGE : 500V DC FOR 1 MIN.
- INSULATOR RESISTANCE : >1000 MEGOHMS @ 250 Vrms
- CONTACT RESISTANCE : <35 MILLIOHMS
- CURRENT RATING : 1 AMP

3 DIMENSIONS AND GEO. TOLERANCES PER SCA-2 SPECIFICATION RELEASED BY SFF COMMITTEE. IN CASE OF ROUND OFF DISCREPANCIES IN DUAL DIMENSIONS, THE METRIC DIMENSIONS IN THE CURRENT REVISION OF SFF-8451 SPECIFICATION SHOULD BE USED.

(2) (80 POS. CONNECTOR) THE FOLLOWING CONTACTS: 1,36,37,38,39,40,41, 42,43,45,46,75,76,77,78,79,80 ARE LONG AND FIRST TO MATE. REMAINING CONTACTS ARE SHORT AND LAST TO MATE. SEE SECTION A-A

(1) (40 POS. CONNECTOR) THE FOLLOWING CONTACTS: 21, 22, 23, 26, 29, 32, 35-40 ARE LONG AND FIRST TO MATE. REMAINING CONTACTS ARE SHORT AND LAST TO MATE. SEE SECTION A-A

NOTES: UNLESS OTHERWISE SPECIFIED

TABULATION

NO. OF POSITIONS	A		B		C		D		E		F		G		J	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
40	1.717	43.60	1.630	41.40	0.791	20.10	1.168	29.67	1.025	26.03	0.950	24.13	1.343	34.11	1.485	37.72
80	2.717	69.00	2.630	66.80	1.291	32.80	2.168	55.07	2.025	51.43	1.950	49.53	2.343	59.51	2.485	63.12

DIMENSIONS ARE IN MM
TOLERANCES ARE:
DECIMALS ANGLES
.X ±.25 ±1°
.XX ±.15

DIMENSIONS IN BRACKETS [X.XXX] ARE IN INCHES
TOLERANCES ARE:
DECIMALS ANGLES
.XX ± .010 ±1°
.XXX ± .006

DO NOT SCALE DRAWING

APPROVALS		DATE
DRAWN	D.LANG	3-17-02
CHECKED	B.WATSON	3-17-02

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CA CIRCUIT ASSEMBLY CORP.
18 THOMAS ST., IRVINE, CALIFORNIA 92618-2777

SOCKET ASSEMBLY EXT. HEIGHT, SOLDER 40 & 80 POS. SCA-2

SIZE	CODE IDENT NO.	DRAWING NO.	REV.
C	52072	610230	L

SCALE: 4:1 SHEET 1 OF 1