



**RECOMMENDED P.C.B. FOOTPRINT  
(COMPONENT SIDE)**

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	INITIAL RELAEASE SEE DO 5320	C.P.	11-03-03	A.J.
B	SEE DO 5325	C.P.	11-06-03	A.J.
C	SEE DO 5448	C.P.	04-13-04	A.J.
D	SEE DO 5682	C.P.	01-17-05	A.J.
E	SEE DO 6478	C.P.	07-10-07	L.F.
F	SEE DO 6956	C.P.	05-12-10	A.J.
G	SEE DO 7010	C.P.	08-16-10	A.J.
H	SEE DO 7020	C.P.	09-23-10	A.J.
J	SEE DO 7215	C.P.	10-23-12	I.M.
K	SEE DO 7275	C.P.	07-08-14	I.M.
L	SEE DO 7530	C.P.	07-22-19	T.L.
M	SEE DO 7613	C.P.	04-20-21	T.L.

**ORDERING NOMENCLATURE: CA-40SCA2PR-XF**

NO. OF PIN POSITIONS: \_\_\_\_\_  
 SINGLE CONNECTOR ATTACHMENT RIGHT ANGLE:  
 CONTACT TAIL LENGTH: DIM 'A', \_\_\_\_\_  
 CLIP TAIL LENGTH: DIM 'B', \_\_\_\_\_  
 PIN LOCATING TAIL LENGTH: DIM 'C' (SEE TABULATION):  
 1 = 1.2 [.047] THICK PCB  
 2 = 1.57 [.062] THICK PCB

**PLATING:**  
 CONTACT  
 F= MATING AREA : .00076 [.000030] GOLD  
 TAIL AREA : .00381 [.000150] TIN  
 UNDERPLATE : .00127 [.000050] NICKEL  
 CLIP : .00381 [.000150] TIN OVER  
 .00127 [.000050] NICKEL

TABULATION:

DASH NO.	DIM 'A' ±.25[.010]		DIM 'B' ±.25[.010]		DIM 'C' ±.25[.010]	
	MM	IN	MM	IN	MM	IN
-1	1.67	0.066	2.26	0.089	2.34	0.092
-2	2.08	0.082	2.67	0.105	2.75	0.108

- 4. - MARK "▼" " DIMENSION MUST BE CONTROLLED
- MARK "X" " IS DIMENSION No.
- MARK "CPK" " DIMENSION MUST BE CONTROLLED BY CPK.
- 3. PACKAGING: TAPE AND REEL, 450 PCS. PER REEL.
- 2. SPECIFICATIONS:  
 CONFORMS TO SFF-8451 SPECIFICATIONS FOR SCA-2 UNSHIELDED CONNECTORS  
 ENVIRONMENTAL  
 - TEMPERATURE, OPERATING : -40°C TO +105°C  
 ELECTRICAL  
 - CURRENT RATING : 1 AMP  
 - VOLTAGE RATING : 30V AC  
 - DIELECTRIC WITHSTANDING VOLTAGE : 500 V RMS FOR 1 MIN.  
 - INSULATOR RESISTANCE : >1000 MEGOHMS @ 500 Vrms  
 - CONTACT RESISTANCE : <35 MILLIOHMS  
 MECHANICAL  
 -MATING FORCE : 90g MAX PER CONTACT  
 -UNMATING FORCE : 15g MIN PER CONTACT  
 -DURABILITY : 500 CYCLES MIN. @ 10 CYCLES/MINUTE RATE  
 -CONTACT MATERIAL : PHOSPHOR BRONZE  
 -INSULATOR MATERIAL : HIGH TEMPERATURE THERMOPLASTIC, UL94V-0, BLACK  
 -CLIP MATERIAL : BRASS

1. MEETS THE REQUIREMENTS OF THE EUROPEAN PARLIAMENT AND THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS).

NOTES : UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		<b>APPROVALS</b>	<b>DATE</b>
DECIMALS .X ± .25 .XX ± .13	ANGLES ±3°	DRAWN CUONG P.	11-3-03
DIMENSIONS IN BRACKETS [X.XX] ARE INCHES TOLERANCES ARE:		CHECKED A. JOCHEN	11-3-03
DECIMALS .XX ± .010 .XXX ± .005	ANGLES ±3°	THE INFORMATION AND DESIGN DISCLOSED HEREIN WAS ORIGINATED BY AND IS THE PROPERTY OF CIRCUIT ASSEMBLY CORPORATION. CIRCUIT ASSEMBLY CORPORATION RESERVES ALL PATENT, PROPRIETARY, DESIGN, MANUFACTURING, REPRODUCTION, USE AND SALES RIGHTS THERETO, AND TO ANY ARTICLE DISCLOSED HEREIN EXCEPT TO THE EXTENT RIGHTS ARE EXPRESSLY GRANTED TO OTHERS. THE FOREGOING DOES NOT APPLY TO VENDOR PROPRIETARY RIGHTS.	
DO NOT SCALE DRAWING			

<b>CA CIRCUIT ASSEMBLY CORP.</b> 6 AUTRY SUITE 150, IRVINE, CALIFORNIA 92618			
<b>CONNECTOR ASSY - SCA2PR SERIES RT ANGLE 2 ROW, THROUGH HOLE "RoHS"</b>			
SIZE C	CODE IDENT NO. 52072	DRAWING NO. <b>620463</b>	REV. <b>M</b>
SCALE: 4:1		SHEET 1 OF 1	