

- 1. PRINT IS ACCORDING TO JIT SUPPLY P/N 212P0112N332RA
- 2. LOCK WASHER & MOUNTING NUT MUST BE SHIPPED SEPARATELY(UNASSEMBLED) FROM SELECTOR SWITCH LOCKWASHER P/N 1220A MOUNTING NUT P/N 45T-3 ADJUST STOP P/N 215-33-003-01-53
- 3. STOPS MUST BE LOCATED ON POSITION 11 ONLY
- 4. WAFER CONFROM TO 212-95-P02-00-00
- 5. FOR ADDITIONAL REQUIREMENTS SEE CTS ENG. SPEC #EN-SPE-212001

POSITION DECORPTION B B POSITION	UNIT : MM .					
CTS COMPONENTS TAIWAN LTD. KAOHSIUNG, TAIWAN, ROC CAD LIST : ACAD(A)-RDC-20 FILE NAME : BM06042						
PART NO. 212P0112N332RA		REV	CUSTOMER :	DIGI-KEY		
SCALE : N/A	TOLERANCE UNLESS OTHER	RWISE	DRAWN BY :	C.E.Chen	APPROVED BY : To	
.X (1 PLACE) : ± 0.2 .XX (2 PLACE) : ± 0.05 ANGLE : ± 1.0*			CHECKED BY		ISSUED DATE : 08/15/06'	

8

7

4

3

5

111 - 2

112 - 1

111 - 12

112 - 11

112 - 10

112 - 9

111 - 8

 $11\frac{1}{2} - 7$

111 - AD

112 - 7

Х

х

Х

X

X

Х

х

X

12

112 - 6

X

Х

X

CTS COMPONENTS TAIWAN, LTD.

		ENGINEERIN	G SPEC	CIFI	CATIO	ON		SPEC NO. EN-SPE-2120)()1 A
SPECIF	FICΔ	TION ·					DATE	PAGE OF	JUIA
SI LCII	ICA	212 SERIES SELEC	TOR SWI	гсн			03-19-02'	1 OF	2
	1.0 1.1 1.2	NERAL: THIS SPECIFICATION AI (ROTARY TYPE) STAN OPERATING TEMPERAT STORAGE TEMPERATULE CHANICAL CHARACTE	PPLIES TO ' NDARD AN TURE RANC RE RANGE	THE S D CU: SE:	STOMER •	CONFI +110 °	CH 212 SERII GURATION		
	2.1	INDEXING: DOUBLE BY INDEXING FOR 2 THRO							
	2.2	DETENT ROTATIONAL I			CLES THE			ND RETURN	
	TOR	QUE: AS REQUIRED UP TO	O 48 inch. oz	(3.4 kg	g-cm)				
	2.3 STOP STRENGTH: STANDARD: 15 inch-lbs (17 kg-cm)								
	2.4	MATERIAL: SHAFT: ■ ALUM □ BR □ BRASS WITH Z			WITH NI-	PLATE	D		
	BUSHING: ☐ BRASS WITH NI-PLATED ☐ BRASS WITH ZINC PLATED ■ BRASS								
DETENT SPRING: STAINLESS STEELS, OR SPRING BRASS DEPENDING ON TORQUE REQUIREMENT. DETENT PLATE: STEEL CONTACT: SILVER PLATED PHOSOPHER BRONZE TERMINAL: SILVER PLATED BRASS STANDARD STATOR: GLASS REINFORCED PPA UL FLAME CLASS 94V-0 ROTOR AND ROTOR COVER: NYLON 66 UL FLAME CLASS 94V-2								ENT.	
A		ITEM 4.0 ADDED	08-02-05	SM					
0		RELEASED	03-19-02	ML					
SYM		REVISION	DATE	BY	SYM]	REVISION	DATE	BY
		BY : S.M.TSAI BY : H.Y.LIN				OMER IBUTIO		NERAL	
		BY TILEE			אומוע	און חמי).N .		

CTS COMPONENTS TAIWAN, LTD.

ENGINEERING SPECIFICATIO SPECIFICATION:		SPEC NO.		
ENGINEERING SPECIFICATION		EN-SPE-212001A		
SPECIFICATION:	DATE	PAGE OF		
212 SERIES SELECTOR SWITCH	03-19-02'	2 OF 2		

3.0 ELECTRICAL CHARACTERISTICS:

- 3.1 CONTACT RESISTANCE: 0.015 OHMS MAX MEASURED FROM ONE TERMINAL TO AN ADJACENT TERMINAL. (WHEN IS NOT ADJACENT, UP TO 180° APART, WILL MEASURE MUCH HIGHER DUE TO THE EXTRA METAL IN THE CIRCUIT). THE CIRCUIT RESISTANCE CHECK MEASURE ALL THE METAL IN THE CIRCUIT.
- 3.2 CONTACT LIFE: ROTATION THROUGH 12 POSITIONS AND RETURN WITHOUT APPRECIABLE RISE IN CONTACT RESISTANCE

UNLOADED: 50,000 CYCLES

LOADED (RESISTIVE) : 10,000 CYCLES

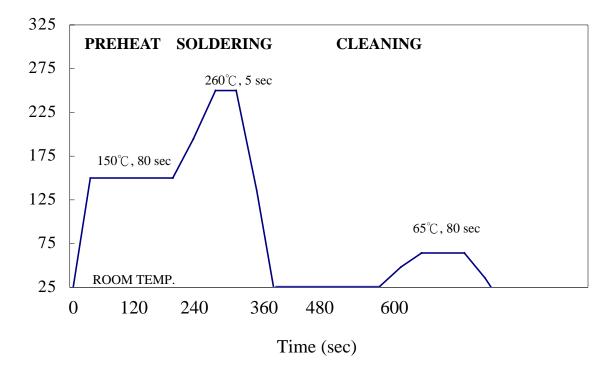
- 3.3 RATING:
 - 34 AMP @ 125 VAC
 - 1/4 AMP @ 250 VDC (SHORTING TYPE ONLY)
 - ½ AMP @ 125 VDC (SHORTING TYPE ONLY)
 - 1/4 AMP @ 28 VDC (SPECIAL RATING)
- 3.4 HI POT TEST:

BETWEEN ADJACENT 15 DEG. CIRCUITS: 750 VAC RMS FOR 1 MINUTE BETWEEN GROUND AND NEAREST TERMINAL: 1500 VAC FOR 1 MINUTE THE TEST VOLTAGE SHALL BE APPLIED BETWEEN ALL EVEN-NUMBERED CONTACTS TIED TOGETHER AND ALL ODD-NUMBERED CONTACTS TIED TOGETHER AND BETWEEN EACH OF THIS GROUP AND THE SWITCH FRAME FOR EACH SWITCH.

4.0 RoHS COMPLIANCE: THIS PART IS COMPLIANT WITH EU RoHS DIRECTIVE.

SYM	REVISION	DATE	BY	SYM	REVISION	DATE	BY
WRIT	TEN BY : S.M.TSAI			CUST	OMER : GENE	RAL	
REVIE	EWED BY : H.Y.LIN			DISTI	RIBUTION:		
APPRO	OVED BY : T.J.LEE						

212 SOLDERING PROCESS



1. The temperature is referring to PC board, soldering or cleaning water temperature.