

- 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. SHORTING CONTACTS AT ALL POSITIONS

'n

Х

X

Х

CHECK BETWEEN TERMINALS

CONNECTIONS

5

3

5

1

C - 5

C - 4

C - 3

c - 5

REST

C - 1

CHECK BETWEEN TERMENALS

CIRCUIT

5. FOR ADDITIONAL REQUIREMENTS SEE CTS ENG. SPEC #EN-SPE-212001

UNIT: MM

CTS COMPONENTS TAIWAN LTD. KAOHSIUNG, TAIWAN, ROC			CAD LIST : ACAD(A)-RDC-227 FILE NAME : 06043		
PART NO. 212P0111S332RA		CUSTOMER: DIGI-KEY			
SCALE : N/A	TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY : C.E.Chen	APPROVED BY : Be Ch		
CTS TYPE : 212-P212-	.X (1 PLACE): ± 0.3 -1 .XX (2 PLACE): ± 0.13 ANGLE: ± 1.0°	CHECKED BY :	ISSUED DATE : 08/15/06"		

CTS COMPONENTS TAIWAN, LTD.

ENGINEERING SPECIF				CIFI	CATIO	ON		SPEC NO. EN-SPE-2120)()1 A
SPECIFICATION :							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 BUMP SPRING HILL AND VALLEY DETENT WITH 30° INDEXING FOR 2 THROUGH 12 POSITIONS OR CONTINUOUS ROTATION								
	2.2 DETENT ROTATIONAL LIFE: 25,000 CYCLES THRU 12 POSITIONS AND RETURN AT 10 CYCLES PER MINUTE								
	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
WRITTEN BY : S.M.TSAI REVIEWED BY : H.Y.LIN			CUSTOMER : GENERAL DISTRIBUTION :						
		BY TILEE			אומוע	און המי).N .		

CTS COMPONENTS TAIWAN, LTD.

ENGINEERING 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

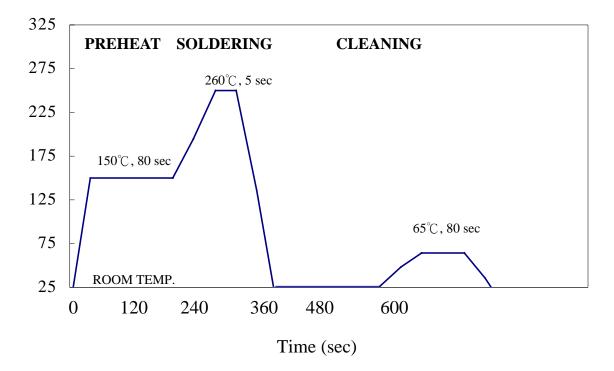
- 3.3 RATING:
 - 34 AMP @ 125 VAC
 - 1/4 AMP @ 250 VDC (SHORTING TYPE ONLY)
 - ½ AMP @ 125 VDC (SHORTING TYPE ONLY)
 - 1/4 AMP @ 28 VDC (SPECIAL RATING)
- 3.4 HI POT TEST:

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	
WRITTEN BY : S.M.TSAI				CUSTOMER : GENERAL				
REVIE			DISTRIBUTION:					
APPRO	OVED BY : T.J.LEE							

212 SOLDERING PROCESS



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