

- 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 CIRCUIT CONN	ECTIONS		UNIT : MM .			
CTS COMPONENTS TAIWAN LTD. CAD LIST : ACAD(A)-RDC-227 KAOHSIUNG, TAIWAN, ROC FILE NAME : BM06042						
PART NO. 212P0112N332RA		REV	CUSTOMER :	DIGI-KEY		
SCALE : N/A	TOLERANCE UNLESS OTHE SPECIFIED	RWISE	DRAWN BY :	C.E.Chen	APPROVED BY : To	
CTS TYPE : 212-T212-1			CHECKED BY	P	ISSUED DATE : 08/15/06'	

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CTS COMPONENTS TAIWAN, LTD.

ENGINEERING SPECIFICATION SPEC N EN-SPE					SPEC NO.)() 1 A			
SPECIF	EIC A	TION ·					DATE	PAGE OF	ШA
SI LCII	ICA	212 SERIES SELEC	TOR SWI	ГСН			03-19-02'	1 OF	2
1.0	<u>GE</u>	NERAL:							
	1.0 THIS SPECIFICATION APPLIES TO THE SELECTOR SWITCH 212 SERIES (ROTARY TYPE) STANDARD AND CUSTOMER CONFIGURATION								
	1.1	.1 OPERATING TEMPERATURE RANGE: -20 °C TO +110 °C							
	1.2	STORAGE TEMPERATUR	RE RANGE	: -20) °C TO +1	10 °C			
2.0	<u>ME</u>	CHANICAL CHARACTE	RISTICS:						
	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 □ BRASS □ BRASS WITH NI-PLATED □ BRASS WITH ZINC PLATED □								
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									
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			CUST(DISTR			NERAL	
	APPROVED BY TILEE								

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

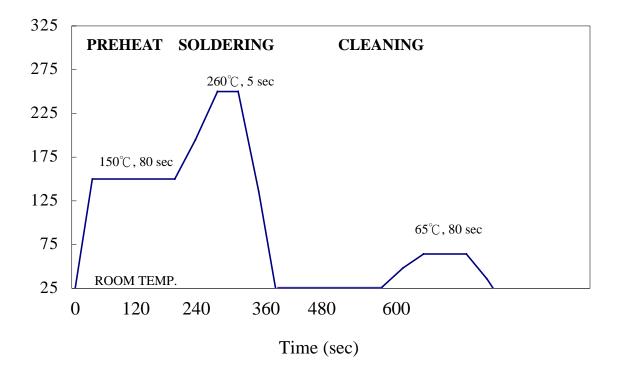
- 3.3 RATING:
 - 34 AMP @ 125 VAC
 - 1/4 AMP @ 250 VDC (SHORTING TYPE ONLY)
 - ½ AMP @ 125 VDC (SHORTING TYPE ONLY)
 - 1/4 AMP @ 28 VDC (SPECIAL RATING)
- 3.4 HI POT TEST:

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	
	TEN BY : S.M.TSAI			CUSTOMER : GENERAL DISTRIBUTION :				
	OVED BY : T.J.LEE			DISTI				

212 SOLDERING PROCESS



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