

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE							
△	2	RE-5-2548	S.J.H	C.D.H	21.01.29	△												
△						△												
APPLICABLE STANDARD																		
RATING	OPERATING TEMPERATURE RANGE		-40℃ ~ +85℃			STORAGE TEMPERATURE RANGE		-10℃ ~ +50℃ (Packed Condition)										
	VOLTAGE		50V [AC(rms) / DC]			OPERATING OR STORAGE HUMIDITY RANGE		RELATIVE HUMIDITY 90%MAX(NOT DEWED)										
	CURRENT		Signal Contact 0.5A (note1) △ Power Contact 12A(6A/Pin) (note2)			APPLICABLE CABLE		FPC / FFC (t=0.3±0.03, COPPER FOIL = 2oz)										
SPECIFICATIONS																		
ITEM		TEST METHOD				REQUIREMENTS				QT	AT							
CONSTRUCTION																		
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING				O	O							
MARKING		CONFIRMED VISUALLY								O	O							
ELECTRICAL CHARACTERISTICS																		
CONTACT RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A CURRENT OF AC 20mV MAX, 100mA MAX				50 mΩ MAX. INCLUDING FPC/FFC BULK RESISTANCE(L=8mm)				O	O							
INSULATION RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 100V				500 MΩ MIN.				O	O							
VOLTAGE PROOF		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF AC 150V FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				O	O							
MECHANICAL CHARACTERISTICS																		
FPC RETENSION FORCE		MEASURE BY APPLICABLE FPC/FFC AT INITIAL CONDITION				①HORIZONTAL DIRECTION : 25N(2.5Kgf) MIN. ②VERTICAL DIRECTION : 15N(1.5Kgf) MIN.				O	-							
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRATIONS				①CONTACT RESISTANCE: 50mΩ MAX ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS				O	-							
VIBRATION		FREQUENCY 10 ~ 55 Hz, TOTAL AMPLITUDE 1.5 mm AT 2h, IN 3 DIRECTIONS				①NO ELECTRICAL DISCONTINUITY OF 1μs. ②CONTACT RESISTANCE : 50mΩ MAX				O	-							
SHOCK		981m/s ² DIRECTION OF PULSE 6ms AT 3 TIMES IN 3 DIRECTIONS.				③NO DAMAGE, CRACK AND LOOSENESS OF PARTS				O	-							
ENVIRONMENTAL CHARACTERISTICS																		
DAMP HEAT(STEADY STATE)		EXPOSED AT 40±2℃, 90~95 %, 96Hr.				①CONTACT RESISTANCE: 50 mΩ MAX.				O	-							
RAPID CHAGE OF TEMPERATURE		TEMPERATURE : -40±2 → 15~35 → +85±2 → 15~35 ℃				②INSULATION RESISTANCE: 50MΩ MIN.				O	-							
		TIME : 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES.				③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				O	-							
DAMP HEAT, CYCLE		TEMPERATURE -10→+65 HUMIDITY : 90~95% 10 CYCLE(240Hr)								O	-							
DRY HEAT		EXPOSED AT 85±2℃, 96Hr				①CONTACT RESISTANCE : 50mΩ MAX				O	-							
COLD		EXPOSED AT -40±2℃, 96Hr				②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				O	-							
CORROSION SALT SPRAY		EXPOSED AT 35±2℃, 5±1% SALT WATER SPRAY FOR 48Hr				①CONTACT RESISTANCE 50mΩ MAX ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				O	-							
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)				③NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				O	-							
RESISTANCE TO SOLDERING HEAT		REFLOW SOLDERING: PEAK TMP. : 250℃ MAX. REFLOW TMP. 230℃ MIN FOR 30s				①NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				O	-							
SOLDER ABILITY		SOLDER DIPPING TEMPERATURE 245±5℃ FOR IMMERSION DURATION, 3±0.3 sec.				A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.				O	-							
(note 1) WHEN THE SAME VALUE OF CURRENT ARE APPLID TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70% OF THE RATED CURRENT VALUE. (note 2) △ THE POWER TERMINAL IS 6A/PIN AND CAN BE USED AS 12A BY CONNECTING TWO TERMINALS IN PARALLEL.																		
REMARKS	CONDITIONS FOR TESTING				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED									
					J.H SEO	J.H SEO	D.H CHO	D.H CHO										
					19.08.28	19.08.28	19.08.28	19.08.28										
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.																		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST																		
HIROSE KOREA CO.,LTD.				SPECIFICATION SHEET			PART NO. TF43SW-66S/4-0.5SH(800)											
CODE NO.(OLD)			DRAWING NO.			CODE NO.			1/1									
CL			ELC4-632535-80			CL 6553-0003-5-800												