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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

	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				0	0
MARKING		CONFIRMED VISUALLY								0	0
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)				0	0
INSULATION RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 100V				500 MΩ MIN.				0	0
VOLTAGE PROOF		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF AC 150V FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				0	0
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.				0	-
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRATIONS				①CONTACT RESISTANCE: 50mΩ MAX ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS				0	-
VIBRATION		FREQUENCY 10 ~ 55 Hz, TOTAL AMPLITUDE 1.5 mm AT 2h, IN 3 DIRECTIONS				①NO ELECTRICAL DISCONTINUITY OF 1μs. ②CONTACT RESISTANCE : 50mΩ MAX				0	-
SHOCK		981m/s ² DIRECTION OF PULSE 6ms AT 3 TIMES IN 3 DIRECTIONS.				③NO DAMAGE, CRACK AND LOOSENESS OF PARTS				0	-
ENVIRONMENTAL CHARACTERISTICS											
DAMP HEAT(STEADY STATE)		EXPOSED AT 40±2℃, 90~95 %, 96Hr.				①CONTACT RESISTANCE: 50 mΩ MAX.				0	-
RAPID CHAGE OF TEMPERATURE		TEMPERATURE : -40±2 → 15~35 → +85±2 → 15~35 ℃ TIME : 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES.				②INSULATION RESISTANCE: 50MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-
DAMP HEAT, CYCLE		TEMPERATURE -10→+65 HUMIDITY : 90~95% 10 CYCLE(240Hr)								0	-
DRY HEAT		EXPOSED AT 85±2℃, 96Hr				①CONTACT RESISTANCE : 50mΩ MAX				0	-
COLD		EXPOSED AT -40±2℃, 96Hr				②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-
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.				0	-
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)				③NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				0	-
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.				0	-
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.				0	-
<p>(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.</p> <p>(note 2) △ THE POWER TERMINAL IS 6A/PIN AND CAN BE USED AS 12A BY CONNECTING TWO TERMINALS IN PARALLEL.</p>											
REMARKS	CONDITIONS FOR TESTING				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
					J.H SEO	J.H SEO	D.H CHO	D.H CHO			
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.					19.08.28	19.08.28	19.08.28	19.08.28			
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	
CL		ELC4-632535-80			CL 6553-0003-5-800					1	