


	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE					
△	5	RE-5-1833	OCU	JDH	17. 11. 30	△										
△						△										
APPLICABLE STANDARD																
RATING	OPERATING TEMPERATURE RANGE		-55℃ ~ +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		0.5A [AC(rms) / DC] (note1)			APPLICABLE CABLE		FPC (t=0.2±0.03mm)								
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 1mA DC(OR 1,000Hz)				100 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 RETENTION FORCE			MEASURE BY APPLICABLE FPC/FFC(t=0.2) AT INITIAL CONDITION				①VERTICAL DIRECTION : 2.5 N MIN. △ ②HORIZONTAL DIRECTION : 2.5 N MIN.			O	-					
MECHANICAL OPERATION			30 TIMES INSERTIONS AND EXTRACTIONS				①CONTACT RESISTANCE: 100mΩ MAX ②NO DAMAGE,CRACK AND LOOSENESS OF PARTS			O	-					
VIBRATION			FREQUENCY 10 ~ 55 Hz, TOTAL AMPLITUDE 1.5 mm AT 2h, 3 TIMES , IN 3 DIRECTIONS				①NO ELECTRICAL DISCONTINUITY OF 1μs. ②CONTACT RESISTANCE : 100mΩ 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℃, 90~95 %, 96Hr.				①CONTACT RESISTANCE: 100 mΩ MAX.			O	-					
RAPID CHAGE OF TEMPERATURE			TEMPERATURE : -55 → 15~35 → +85 → 15~35 ℃ TIME : 30 → 2~3 → 30 → 2~3 min. 5 CYCLES WITH ABOVE CONDITIONS. △				②INSULATION RESISTANCE: 50 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-					
DAMP HEAT, CYCLE			TEMPERATURE -10→+65 HUMIDITY : 90~95% 10 CYCLE(240Hr)				①CONTACT RESISTANCE: 100mΩ MAX. ②INSULATION RESISTANCE: 50 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-					
DRY HEAT			EXPOSED AT 85℃, 96Hr				①CONTACT RESISTANCE : 100mΩ MAX			O	-					
COLD			EXPOSED AT -55℃, 96Hr				②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-					
CORROSION SALT SPRAY			EXPOSED AT 35℃, 5 % SALT WATER SPRAY FOR 48Hr				①CONTACT RESISTANCE 100mΩ MAX ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-					
HYDROGEN SULPHIDE			EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)				③NO EVIDENCE OF CORROSISON WHICH AFFECTS TO OPERATION OF CONNECTOR.			O	-					
RESISTANCE TO SOLDERING HEAT			REFLOW SOLDERING: PROFILE : 217℃ 90~120s, 260℃ MAX.				①NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. ②NO DAMAGE OF ELECTRICAL PERFORMANCE			O	-					
SOLDER ABILITY			SOLDER DIPPING TEMPERATURE 245±5℃ (TEST STANDARD : MIL-STD-202) 3±0.3 SEC △				A NEW UNIFORM COATING OF SLODER △ SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING EMMERSED.			O	-					
(note 1) △ WHEN THE SAME VALUE OF CURRENT ARE APPLIED TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70% OF THE RATED CURRENT VALUE.																
REMARKS CONDITIONS FOR TESTING					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED							
(NOTE 1) : CHECK TEST					M.G.KANG	M.G.KANG	D.H.CHO	H.C.SONG								
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.					15.06.05	15.06.05	15.06.05	15.06.05								
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST																
HIROSE KOREA CO.,LTD.				SPECIFICATION SHEET			PART NO. TF12SD-10S-0.5SH(800)									
CODE NO.(OLD)			DRAWING NO.			CODE NO.					1/1					
CL			ELC4-631685-80			CL 6586-0019-6-800					1/1					