

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE						
△	1	RE-5-1731	OCU	JDH	17. 08. 03	△											
△						△											
APPLICABLE STANDARD																	
RATING	OPERATING TEMPERATURE RANGE		-55°C ~ +85°C			STORAGE TEMPERATURE RANGE		-10°C ~ +50°C(Packed Condition)									
	VOLTAGE		50V [AC(rms) / DC]			OPERATING OR STORAGE HUMIDITY RANGE		Relative Humidity 90% MAX(NOT DEWED)									
	CURRENT		0.5A [AC(rms) / DC]			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)				100mΩ MAX. INCLUDING FPC/FFC BULK RESISTANCE(L=8mm)			O	O							
INSULATION RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 100V				500MΩ 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(t=0.2) AT INITIAL CONDITION				①VERTICAL DIRECTION : 25gf X n MIN. ②HORIZONTAL DIRECTION : 25gf X n MIN. (n : NUMBER OF CONTACTS)			O	-							
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRATIONS				①CONTACT RESISTANCE : 100mΩ 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 : 100mΩ MAX			O	-							
SHOCK		981m/s ² DIRECTION OF PULSE 6ms AT 3 TIMES IN 3 DIRECTIONS.				③NO DAMAGE,CRACK AND LOOSENESS OF PARTS											
ENVIRONMENTAL CHARACTERISTICS																	
DAMP HEAT(STEADY STATE)		EXPOSED AT 40°C, 90~95 %, 96Hr.				①CONTACT RESISTANCE : 100mΩ MAX.			O	-							
RAPID CHAGE OF TEMPERATURE		TEMPERATURE : -55 → 15~35 → +85 → 15~35 °C TIME : 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES.				②INSULATION RESISTANCE : 50MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.											
DAMP HEAT, CYCLE		TEMPERATURE -10→+65 HUMIDITY : 90~95% 10 CYCLE(240Hr)				①CONTACT RESISTANCE : 100mΩ MAX. ②INSULATION RESISTANCE : 50MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-							
DRY HEAT		EXPOSED AT 85°C, 96Hr				①CONTACT RESISTANCE : 100mΩ MAX			O	-							
COLD		EXPOSED AT -55°C, 96Hr				②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.											
CORROSION SALT SPRAY		EXPOSED AT 35°C, 5 % SALT WATER SPRAY FOR 96Hr				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.											
RESISTANCE TO SOLDERING HEAT		REFLOW SOLDERING PROFILE : 217°C 90~120s, 260°C MAX.				①NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. ②NO DAMAGE OF ELECTRICAL PERFORMANCE			O	-							
SOLDER ABILITY		SOLDER DIPPING TEMPERATURE 245±5°C (TEST STANDARD : MIL-STD-202)				WETTING BALANCE TEST : 2s MAX. DIP & LOOK TEST : 95% MIN. A NEW UNIFORM COATING OF SOLDER			O	-							
REMARKS	CONDITIONS FOR TESTING				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED								
					OH.C.U	OH.C.U	CHO.D.H	SONG.H.C	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;"> ENG 17.08.03 DEPT </div>								
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.					17.03.06	17.03.06	17.03.06	17.03.06									
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST																	
HIROSE KOREA CO.,LTD.			SPECIFICATION SHEET			PART NO. △ TF12-Series(800)											
CODE NO.(OLD)		DRAWING NO.			CODE NO.						1/1						
CL		ELC4-632304-80			CL 6586-0022-0-800						1						