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

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	1 RE-5-1731	OCU	JDH	17.08.03	△				
△					△				
<b>APPLICABLE STANDARD</b>									
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)			
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT			ACCORDING TO DRAWING			○	○
MARKING		CONFIRMED VISUALLY						○	○
<b>ELECTRICAL CHARACTERISTICS</b>									
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)			○	○
INSULATION RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 100V			500MΩ MIN.			○	○
VOLTAGE PROOF		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF AC 150V FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○
<b>MECHANICAL CHARACTERISTICS</b>									
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)			○	-
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRATIONS			①CONTACT RESISTANCE : 100mΩ MAX ②NO DAMAGE,CRACK AND LOOSENESS OF PARTS			○	-
VIBRATION		FREQUENCY 10 ~ 55 Hz, TOTAL AMPLITUDE 1.5 mm AT 2h, IN 3 DIRECTIONS			①NO ELECTRICAL DISCONTINUITY OF 1μs. ②CONTACT RESISTANCE : 100mΩ MAX			○	-
SHOCK		981m/s <sup>2</sup> DIRECTION OF PULSE 6ms AT 3 TIMES IN 3 DIRECTIONS.			③NO DAMAGE,CRACK AND LOOSENESS OF PARTS			○	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
DAMP HEAT(STEADY STATE)		EXPOSED AT 40°C, 90~95 %, 96Hr.			①CONTACT RESISTANCE : 100mΩ MAX.			○	-
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.			○	-
DRY HEAT		EXPOSED AT 85°C, 96Hr			①CONTACT RESISTANCE : 100mΩ MAX			○	-
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.			○	-
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)			③NO EVIDENCE OF CORROSION 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			○	-
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			○	-
REMARKS	CONDITIONS FOR TESTING			DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				OH.C.U 17.03.06	OH.C.U 17.03.06	CHO.D.H 17.03.06	SONG.H.C 17.03.06		
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. △ TF12-Series(800)			
CODE NO.(OLD) CL		DRAWING NO. ELC4-632304-80		CODE NO. CL 6586-0022-0-800				1/1	