

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	4	RE-5-1833	OCU	JDH	17. 11. 30	△					
△	1	RE-5-2459	OCU	JDH	20. 07. 15	△					

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	△ FFC/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 FFC/FPC 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(t=0.2) AT INITIAL CONDITION	①VERTICAL DIRECTION : 0.25N/Pin MIN. ②HORIZONTAL DIRECTION : 0.25N/Pin MIN.	O	-		
MECHANICAL OPERATION	20 TIMES INSERTIONS AND EXTRACTIONS	①CONTACT RESISTANCE: 100mΩ MAX ②NO DAMAGE,CRACK AND LOOSENESS OF PARTS	O	-		
VIBRATION	FREQUENCY 10 ~ 55 Hz, HALF AMPLITUDE 0.75 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	O	-		
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT(STEADY STATE)	EXPOSED AT 40℃, 90~95 %, 96Hr.	①CONTACT RESISTANCE: 100 mΩ MAX. ②INSULATION RESISTANCE: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	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. △		O	-		
DAMP HEAT, CYCLE	TEMPERATURE -10→+65 HUMIDITY : 90~95% 10 CYCLE(240Hr)	①CONTACT RESISTANCE: 100mΩ MAX. ②INSULATION RESISTANCE: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	O	-		
DRY HEAT	EXPOSED AT 85℃, 96Hr		O	-		
COLD	EXPOSED AT -55℃, 96Hr	①CONTACT RESISTANCE : 100mΩ MAX ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	O	-		
CORROSION SALT SPRAY	EXPOSED AT 35℃, 5 % SALT WATER SPRAY FOR 96Hr		O	-		
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)	①CONTACT RESISTANCE 100mΩ MAX ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. ③NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	O	-		
RESISTANCE TO SOLDERING HEAT	PROFILE : 250℃ MAX. △ 230℃ WITHIN 60 sec		O	-		
SOLDERABILITY △	SOLDER DIPPING TEMPERATURE 245±5℃ (TEST STANDARD : MIL-STD-202) 3±0.3 SEC	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSSED.	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 OH.C.U 17. 03. 06	DESIGNED OH.C.U 17. 03. 06	CHECKED CHO.D.H 17. 03. 06	APPROVED SONG.H.C 17. 03. 06	RELEASED ENG 2020.07.15 DEPT
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.						
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST						
HIROSE KOREA CO.,LTD.		REFERENCE SPECIFICATION SHEET		PART NO. TF13BA-SERIES (800)		
CODE NO.(OLD)		DRAWING NO. ELC4-632308-80		CODE NO. CL 6508-0036-0-800		1/1