

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE					
5	RE-5-1833	OCU	CDH	17. 11. 30	△									
1	RE-5-2459	OCU	CDH	20. 07. 15	△									
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] (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 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			① VERTICAL DIRECTION : 0.25N X n MIN. △ ② HORIZONTAL DIRECTION : 0.25N X n MIN.			O	-						
MECHANICAL OPERATION	20 TIMES INSERTIONS AND EXTRACTIONS			① CONTACT RESISTANCE: 100mΩ MAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS			O	-						
VIBRATION	FREQUENCY 10 ~ 55 Hz, HALF AMPLITUDE 0.75 mm AT 2h, IN 3 DIRECTIONS			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE : 100mΩ MAX			O	-						
SHOCK	981m/s ² DIRECTION OF PULSE 6ms AT 3 TIMES IN 3 DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS			O	-						
ENVIRONMENTAL CHARACTERISTICS														
DAMP HEAT(STEADY STATE)	EXPOSED AT 40°C, 90~95 %, 96Hr.			① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-						
RAPID CHAGE OF TEMPERATURE	TEMPERATURE : -55 → 15~35 → +85 → 15~35 °C 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)			① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-						
DRY HEAT	EXPOSED AT 85°C, 96Hr			① CONTACT RESISTANCE : 100mΩ MAX			O	-						
COLD	EXPOSED AT -55°C, 96Hr			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			O	-						
CORROSION SALT SPRAY	EXPOSED AT 35°C, 5 % SALT WATER SPRAY FOR 96Hr			① CONTACT RESISTANCE 100mΩ MAX			O	-						
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. ③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.			O	-						
RESISTANCE TO SOLDERING HEAT	PROFILE : 250°C MAX. △ 230°C WITHIN 60 sec			① NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. ② NO DAMAGE OF ELECTRICAL PERFORMANCE			O	-						
SOLDER ABILITY △	SOLDER DIPPING TEMPERATURE 245±5°C (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 IMMERSED.			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						
				OH.C.U	OH.C.U	CHO.D.H	SONG.H.C	ENG 2020.07.15						
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.		REFERENCE SPECIFICATION SHEET			PART NO. TF13BSA-SERIES (800)									
CODE NO.(OLD)	DRAWING NO.			CODE NO.	CL 6508-0037-2-800									
	ELC4-632309-80				1 1									