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

	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℃ ~ +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				0	0	
MARKING		CONFIRMED VISUALLY								0	0	
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)				0	0	
INSULATION RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 100V				500 MΩ MIN.				0	0	
VOLTAGE PROOF		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF AC 150V FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				0	0	
MECHANICAL CHARACTERISTICS												
FPC RETENSION FORCE		MEASURE BY APPLICABLE FPC/FFC(t=0.2) AT INITIAL CONDITION				①VERTICAL DIRECTION : 0.25N X n MIN. ②HORIZONTAL DIRECTION : 0.25N X n MIN.				0	-	
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS				①CONTACT RESISTANCE: 100mΩ MAX ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS				0	-	
VIBRATION		FREQUENCY 10 ~ 55 Hz, HALF AMPLITUDE 0.75 mm AT 2h, IN 3 DIRECTIONS				①NO ELECTRICAL DISCONTINUITY OF 1μs. ②CONTACT RESISTANCE : 100mΩ MAX				0	-	
SHOCK		981m/s ² DIRECTION OF PULSE 6ms AT 3 TIMES IN 3 DIRECTIONS.				③NO DAMAGE, CRACK AND LOOSENESS OF PARTS				0	-	
ENVIRONMENTAL CHARACTERISTICS												
DAMP HEAT(STEADY STATE)		EXPOSED AT 40℃, 90~95 %, 96Hr.				①CONTACT RESISTANCE: 100 mΩ MAX.				0	-	
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: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-	
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.				0	-	
DRY HEAT		EXPOSED AT 85℃, 96Hr				①CONTACT RESISTANCE : 100mΩ MAX				0	-	
COLD		EXPOSED AT -55℃, 96Hr				②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-	
CORROSION SALT SPRAY		EXPOSED AT 35℃, 5 % SALT WATER SPRAY FOR 96Hr				①CONTACT RESISTANCE 100mΩ MAX ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-	
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)				③NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				0	-	
RESISTANCE TO SOLDERING HEAT		PROFILE : 250℃ MAX. 230℃ WITHIN 60 sec				①NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. ②NO DAMAGE OF ELECTRICAL PERFORMANCE				0	-	
SOLDER ABILITY		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 IMMERSERD.				0	-	
(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 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.				REFERENCE SPECIFICATION SHEET				PART NO. TF13BSA-SERIES (800)				
CODE NO.(OLD)		DRAWING NO. ELC4-632309-80			CODE NO. CL 6508-0037-2-800			1 1				