APPLICA	BLE STAN	DARD										Λ		
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		⚠ -	40 °C	то	105 °	°C	STOR TEMP		RE RANG	E .	-40 ℃ TO 105 ℃ (MOUNT	EDON	IPCB
RATING			50 V AC / DC			-	TING (TY RANC	OR STOR	AGE F	RELATIVE HUMIDITY 90 % MAX	NOT DE	EWED		
								CABLE		t=0.3±0.05mm, GOLD I	PLATI	NG		
			<u> </u>			,		IOIT	٧S			,		
IT	EM			TEST						F	REQU	IREMENTS	QT	A
CONSTR	UCTION												•	
	XAMINATION					IG INST	RUMEN	IT.	ACCORDING TO DRAWING.				×	>
MARKING	CONFIRMED VISUALLY.]				×	>			
	ICAL CHAP								50					
CONTACT RESISTANCE		1mA(DC OR 1000Hz).					50 mΩ MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×	×		
INSULATION		100 V DC.					500 M	Ω MIN.			×	>		
RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.						NO FLASHOVER OR BREAKDOWN.				×	×	
MECHAN	IICAL CHA	RACTE	FRIST	ICS										
MECHANICA		20 TIMES			AND E	XTRAC	TIONS.		① CC	NTACT	RESI	STANCE: 50 mΩ MAX.	×	-
OPERATION						 2 NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 								
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				JDE	 NO ELECTRICAL DISCONTINUITY OF 1 μs. CONTACT RESISTANCE: 50 mΩ MAX. 				×	-		
SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.					 ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	-			
FPC RETEN	MEASURED BY APPLICABLE FPC. (CONNECTOR,FPC AT INITIAL CONDITION. THICKNESS OF FPC SHALL BE t=0.30mm)				DIRECTION OF INSERTION: 0.4×n N MIN (n : NUMBER OF CONTACTS).			×	-					
ENVIRO	MENTAL						,		1					
	/1\		ATURE						-			STANCE: 50 mΩ MAX.	×	-
TEMPERATURE		UNDER 5 CYCLES.					 (2) INSULATION RESISTANCE: 50 MΩ MIN. (3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. (1) CONTACT RESISTANCE: 50 mΩ MAX. (2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) (3) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) (4) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. (1) CONTACT RESISTANCE: 50 mΩ MAX. 							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.									×	-		
DAMP HEAT, CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.				×					_			
		EXPOSED AT 105±2 °C, 96 h.									×	-		
COLD		EXPOSED AT -40±3°C, 96 h.						② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	-	
CORROSION SALT MIST		EXPOSED AT 35±2 °C 5% SALT WATER SPRAY FOR 96 h.					RAY	 OF PARTS. CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. 				×	-	
SULPHUR DIOXIDE [JIS C 60068-2-42		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.					×					-		
HYDROGEN	I SULPHIDE C 60068-2-43]	EXPOSE	ED AT 4	0±2 °C,I	RELAT		MIDITY						×	1-
COUN		SCRIPTIC						DESIG	NED			CHECKED	DA	TE
<u>∆</u> 5		DIS-	F-00000	202			ŀ	IK. KINO	UCHI			HS. SAKAMOTO	15.0)3. 2
REMARK			RE RANGE IN THE EMBOSSED CARRIER TAP							15.0				
	TEMPERATI +50 °C ⚠			INC EI	VIDUS	55ED C	AKKIE	IN TAP	ONEOKE			SJ. OKAMURA)3. (
Unless otherwise specified, refer to JIS C 5402.					DESIGNED HK. KINOUCHI			15.0						
					DRAWN HK. KINOUCHI RAWING NO. ELC-359845-00				15.0					
		PECIFICATION SHEET								0-00	,			
RS											٨	1/:		
ORM HD0011-					י, ∟	יט.	(CODE	INU.				Δ	1/

	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	A
RESISTANCE TO SOLDERING HEAT	 1) REFLOW SOLDERING (TO BE 2 TIMES MAX.) PEAK TMP. 250 °C MAX REFLOW TMP. OVER 230 °C WITHIN 60 sec. PRE-HEATING. 150 TO 200°C 90 TO 120 sec. 2)SOLDERING IRONS : 350 ± 10 °C, FOR 5± 1 sec. 	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_
OLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3 °C FOR IMMERSION DURATION, 3±0.3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	-
(note 1) WHEN THE	SAME VALUE OF CURRENT ARE APPLIED TO ALL C	ONTACTS AT THE SAME TIME IN ONCE.		
	SAME VALUE OF CURRENT ARE APPLIED TO ALL C URRENT TO THE 70 % OF THE RATED CURRENT VAL			
021 1112 0				

Note QT	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-359845-00-00			
HRS	SPECIFICATION SHEET	PART NO.	FH52E-* (*) SB-1SH				
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580		2/2	