APPLICA	BLE STAN	DARD									
	OPERATING TEMPERATUR		-40 °C TO 105 °C		TEMP	TORAGE EMPERATURE RANGE		,	-40 °C TO 105 °C (MOUNTED ON PC		
RATING	VOLTAGE CURRENT		50 V	AC / E	C		ERATING OR STORAGE MIDITY RANGE		RELATIVE HUMIDITY 90 %	MAX(NOT	DEWED)
						ICABLE CABLE t=0.3±0.05mm, GOLD PI			OLD PLA	TING	
			,	SPEC	CIFIC	IOITA	NS				
	ГЕМ		TEST N	METHOD				REC	QUIREMENTS	Q	TAT
	CONSTRUCTION GENERAL EXAMINATION VISUALL				NOTOLINA	- LIT	14000				< x
MARKING	EXAMINATION		IED VISUALLY.	ORING II	NS I RUM	ENI.	ACCO	ACCORDING TO DRAWING.			
	ICAL CHAF										< ×
	RESISTANCE						50 mΩ	50 mΩ MAX.			< ×
			, , ,				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				
INSULATION		100 V DC.				500 Mg	Ω MIN.		>	< ×	
	RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				× ×
MECHAN	NICAL CHA						J.			I.	ı
MECHANICA OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			1	·	
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL				① NO ELECTRICAL DISCONTINUITY OF 1 μs.				< –	
SHOCK 981 n			DIRECTIONS. 981 m/s², DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				② CONTACT RESISTANCE: 50 mΩ MAX.③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				< <u> </u>
(CONNE			MEASURED BY APPLICABLE FPC. ONNECTOR, FPC AT INITIAL CONDITION. HICKNESS OF FPC SHALL BE t=0.30mm)			DIRECTION OF INSERTION: 0.4×n N MIN (n: NUMBER OF CONTACTS).			/IN >	< –	
ENVIRO	NMENTAL		CTERISTIC		-0.00111111	/					
_	TEMPERATURE TIM						② INSULATION RESISTANCE: 50 M Ω MIN.			MIN.	< _
	DAMP HEAT E		EXPOSED AT 40±2 °C,				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				< -
(STEADY ST DAMP HEAT	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C,				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				< _	
		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h. EXPOSED AT 105±2 °C, 96 h.				 (2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) (3) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) (4) NO DAMAGE, CRACK AND LOOSENESS 			MIN. MIN.		
						OF PARTS.					
			POSED AT 105±2 °C, 96 h. POSED AT -40±3°C, 96 h.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 				<	
			POSED AT 35±2 °C 5% SALT WATER SPRAY				OF PARTS.				<
F		FOR 96 h.				 CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH 				· –	
	[JIS C 60068-2-42] 80±5%,						AFFECTS TO OPERATION OF CONNECTOR.			>	< -
			OSED AT 40±2 °C , RELATIVE HUMIDITY 3% , 10 TO 15 ppm FOR 96 h.						>	< _	
COUN	IT DE	SCRIPTIO	N OF REVISION	IS		DESIG	NED		CHECKED		DATE
& BEMARK				APPROVED 15 1111111111111111111111111111111111				00.71			
REMARK STORAGE TEMPERATURE RA			ANGE IN THE EMBOSSED CARRIER TAR			RIER TAF	PE CHECKED				. 03. 24
: -10 TO +50 °C							DESIGNE			. 03. 24	
Unless otherwise specified, refer			er to JIS C 5402.							15. 03. 24	
Note QT:Qualification Test AT:Assurance Test X:Applicable T			Test	DF	DRAWING NO. ELC-363488		8-00-0	00			
		PECIFICATION SHEET PA			DART	г NO. FH52E-* (*) SA-		1 SH	SH 1/2		
HS			ECTRIC CC			IAIII	IVO.		THOSE TOTAL	1011	

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ				
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.	×					
SOLDERABILITY	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 CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-363488-00-00		
HS.		SPECIFICATION SHEET	PART NO.	FH52E-* (*) SA-1SH			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	\triangle	2/2	