APPLICA	BLE STAN	DARD										
OPERATING TEMPERATURE		E RANGE	RANGE -40 °C TO 105 °C STOINTEM		RAGE PERATURE RANGE ATING OR STORAGE			-40 °C TO 105 °C (MOUNTED ON PCB)				
RATING	VOLTAGE				HUMI	DITY RANG	E	RELATIVI	RELATIVE HUMIDITY 90 % MAX (NOT D			
CURRENT			0.5 A (note 1)			LICABLE	ICABLE CABLE t=0.3±0.05mm, GOLD F			PLATI	PLATING	
				SPEC	CIFIC	ATIO	NS					
	EM		TEST	METHOD				REQUIREMENTS			QT	АТ
CONSTR		T					1			_		1
GENERAL E MARKING	XAMINATION		Y AND BY MEA MED VISUALLY.		NSTRUM	ENT.	ACCO	RDING TO	DRAWIN	G.	×	×
				•							×	×
ELECTRICAL CHAR CONTACT RESISTANCE						50 mO	50 mΩ MAX.				×	
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×		
INSULATION		100 V DC) .				500 Mg				×	×
RESISTANC VOLTAGE P		150 V AC FOR 1 min.				NO FL	ASHOVER	OR BRE	AKDOWN.	×	×	
MECHAN	IICAL CHA	RACTE	RISTICS									
MECHANICA OPERATION	AL	20 TIMES INSERTIONS AND EXTRACTIONS.				② NO	CONTACT RESISTANCE: 50 mΩ MAX. 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.				1 μ	① NO ELECTRICAL DISCONTINUITY OF 1 µs.				_	
SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				3 NO	 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				-	
(CO		(CONNE	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	NMENTAL		ACTERISTIC			,						
TEMPERATURE		TEMPERATURE-40 \rightarrow +15 _{TO} +35 \rightarrow +105 \rightarrow +15 _{TO} +35 $^{\circ}$ C TIME 30 \rightarrow 2 _{TO} 3 \rightarrow 30 \rightarrow 2 _{TO} 3 min. UNDER 5 CYCLES.				. 2 INS	 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				_	
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.				 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				l.	_	
DRY HEAT		EXPOSED AT 105±2 °C, 96 h.				① CO	 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. 				_	
COLD		EXPOSED AT -40±3°C, 96 h.									1-	
CORROSION SALT MIST		EXPOSED AT 35±2 °C 5% SALT WATER SPRAY FOR 96 h.				① CO					_	
[JIS C 60068-2-42] 80±5			EXPOSED AT 40±2 ℃ , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.									_
HYDROGEN SULPHIDE EXPOSED A [JIS C 60068-2-43] 80±5%, 10 T									×	_		
COUNT DESCRIPTION OF REVISIONS DESIG			GNED CHECKED				DA	DATE				
⚠ REMARK				APPROVED NF. MIYAZAKI				45	15 02 04			
			NGE IN THE EMBOSSED CARRIER TAR			.PE			NF. MIYAZAKI HS. SAKAMOTO	15. 03. 2 15. 03. 2		
: -10 TO +50 °C						DESIGNED					03. 24	
Unless otherwise specified, refer to JIS C 5402.				DRAWN HK. KINOUCHI			-	15. 03. 24				
				RAWING NO. ELC-363488-0			00-00					
HS		EOII IO/(ITOIY OTIEE)			PAR			E-* (*) SA-1SH				
Ī	HIR	OSE ELECTRIC CO., LTD. CO			CODE	E NO. (30	◮	1/2	

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	AT					
RESISTANCE TO	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.)	NO DEFORMATION OF CASE OF	×	_					
SOLDERING HEAT	PEAK TMP. 250 °C MAX	EXCESSIVE LOOSENESS OF THE							
	REFLOW TMP. OVER 230 °C WITHIN 60 sec.	TERMINALS.							
	PRE-HEATING. 150 TO 200°C								
	90 TO 120 sec.								
	2)SOLDERING IRONS : 350 ± 10 °C,								
	FOR 5±1 sec.								
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE,	A NEW UNIFORM COATING OF SOLDER	×	_					
	245±3 °C FOR IMMERSION DURATION, 3±0.3	SHALL COVER A MINIMUM OF 95 % OF							
	sec.	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		
HRS	SPECIFICATION SHEET	PART NO.	FH52E-*(*) SA-1SH			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	♠	2/2