APPLICA	BLE STAN	DARD								
OPERATING TEMPERATURI			-40 °C TO 105 °C STOR		AGE ERATURE RANGE		-10 °C TO 50 °C (PACKED	O 50 °C (PACKED CONDITION)		
RATING	VOLTAGE CURRENT		50.V AC / DC		OPER/	PERATING OR STORAGE JMIDITY RANGE		RELATIVE HUMIDITY 90 % MAX	(NOT DE	EWED)
			0.5 A (note 1))		APPLICABLE CABLE		t=0.3±0.05mm, GOLD	NG	
			SPEC	IFIC	ATIOI	NS				
ITEM			TEST METHOD			REQUIREMENTS			QT	АТ
CONSTR										
	XAMINATION		JALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
	MARKING CHAR		CONFIRMED VISUALLY.							×
	RESISTANCE					 50 mΩ MAX.				×
	OOM NOT REGIOTATIVE		1111/LDG GK 10001/2).			INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	
INSULATION RESISTANC	INSULATION		100 V DC.			500 MΩ MIN.			×	×
VOLTAGE P		150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			×	×
MECHAN	IICAL CHA	RACTE	RISTICS							
MECHANICA	MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	_
		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS			① NO ELECTRICAL DISCONTINUITY OF			×	-	
SHOCK 981		981 m/s ² , 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. 			×	-	
(CC		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		ACTERISTICS	,	<u> </u>				1	1
TEMPERATURE TI					② INSULATION RESISTANCE: 50 M Ω MIN.				_	
DAMP HEAT		UNDER 5 CYCLES. EXPOSED AT 40±2 °C,			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	_	
(STEADY ST	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h.								
		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. 					
DRY HEAT EXP		EXPOSE	EXPOSED AT 105±2 °C, 96 h.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				_
COLD EXPO		EXPOSE	POSED AT -40±3°C, 96 h.							
CORROSION SALT MIST		EXPOSED AT 35±2 ℃ 5% SALT WATER SPRAY FOR 96 h.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				1-	
SULPHUR DIOXIDE		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.			TY	② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				-
	I SULPHIDE C 60068-2-43]		D AT 40±2 °C , RELATIVE I 10 TO 15 ppm FOR 96 h		TY				×	-
COUN	T DE	SCRIPTIO	ON OF REVISIONS		DESIG	NED		CHECKED	DA	TE
▲										
REMARK					APPROVEI CHECKED				9. 23	
						DESIGNE			+	9. 23 9. 21
Unless otherwise specified, r			efer to IEC 60512.			DRAWN		RK. OGASAWARA	16. 09. 21	
	·			DF	RAWING NO.		ELC-328248-9	ELC-328248-99-00		
HS.		SPECIFICATION SHEET			PART NO.		F	FH52-**S-0. 5SH (99)		
	HIR	HIROSE ELECTRIC CO., LTD.			CODE	NO.		CL580	\triangle	1/2

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	AT			
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. SOLDERING IRONS: 350 ± 10 °C, FOR 5± 1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×				
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235±5 °C FOR IMMERSION DURATION, 2±0.5 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 APPLID TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

Note	Note QT:Qualification Test AT:Assurance Test X:Applicable Test			NG NO.	ELC-328248-99-00		
Н	2	SPECIFICATION SHEET	PART NO.	FH52-**S-0. 5SH (99)			
= '	(HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2