APPLIC <i>A</i>	ABLE S	STAND	ARD								
Operating	Characteristic impedance Storage temperature Range (At packing)			Differential 100 [ohm]		Operating temperation			e -10 to +85 [deg. C] (85 %RH MAX) No freezing and condensing		
condition			ature	-10 to +60 [deg. C] (93 %RH MAX) Ran			nde tatter mounting i		-40 to +85 [deg. C] (85 %RH M No freezing and condensing		AX)
	Applic	able conn	ector	BF4-IR2 plug (Terminated							
				SPEC	IFICA	TIONS					
ľ	TEM			TEST METHOD			R	EQU	IREMENTS	QT	AT
CONST	RUCT	ION				•					
Dimension, Construction			Check visually and measure the dimension by			Acco	According to drawing			Х	X
and Finishing Marking			dimensional measurement equipments Check visually				-			X	X
ELECTR	IC PE			<u> </u>							
Data transm				eye diagram of output signa	ıl durina inc	out No n	nask hit at 0).05 t	o 6.25 Gbps.	X	Τ-
performance			200mVp PRBS7 differntial signal (*1)				·			^	
Voltage proof			200 V AC for 1 min. (Shall be tested this product alone.)			No fl	No flashover or breakdown.			Х	Х
MECHAI	NICAL	CHAR	RACTI	ERISTICS							
Insertion and extraction forces		iv.	Measure the force at the maiting speed less than 12.5mm/min			•	Insertion force : 25N MAX Extraction force : 25N MAX			X	-
Durability			1000 cycles of mating and extraction. (*1)				No looseness, breakage and cracks (Visual and data rate check)			X	-
Vibration			Vibration for 10 cycles in 3 directions, at an amplitude of 1.5 mm with the frequency range 10 to 55 [Hz].(*1)							X	-
Shock		3	3 times and 3 directions with the acceleration 490 [m/s²] in duration 11 ms. (*1)							Х	-
				ACTERISTICS temperature and humidity lo							
temperature and humidity test			Before test measurement 23 deg.C Cold test -20 deg.C (soak time: 72hours) Intermediate measurement 23 deg.C Damp heat test +60 deg.C, 90%Rh (soak time: 72hours) After test measurement 23 deg.C			(Visu	ual and data	a tran	age and cracks smission check before t and after test)		
Temperature cycling		T	Temperature : -40 to +85 deg C Time : 10 [min] to 10 [min] Number of cycle : 100 cycles (*1)							X	-
High tempe	rature st			ture : 85 deg C Time : 1000	hours (*1)					X	+-
Low temper	ature st	orage T	empera	iture : -40 deg CTime : 1000	hours (*1)					X	-
Temperature and humidity cycling			Temperature, Humidity: 10 ⇔ 65 degree Celsius, 93%RH w/o applying current.Number of cycle: 10 cycles, Cycle time: 24 hours/cycle No humidity RH93% control RH93%							X	-
			25° -10	c C	22 24 (h						
COUN	TV	DES	CRIPTI	ON OF REVISIONS	I	DESIGNED)		CHECKED	D	ATE
Δ											
REMARK			hu mating with DEAN and a control of T				APPROVED		YY.HIYAMA		
(*1) Shall be checked			by mating with BF4M cable assembly (Tx-R			ıx-Rx).	CHECKED DESIGNED DRAWN		TS.YAMAZAKI		
									TY.SATO SK.AOYAMA	202009	
Note QT: Qualification Test,			AT: Assurance Test D			DRAW	RAWING NO.		ELC-384993-01-00		
ЖS	HC S			PECIFICATION SHEET			PART NO. BF		F4-IR2-16P-0.5SH(01)		1
		HIROSE ELECTR		LECTRIC CO., LTD.	C CO., LTD.		. Cl	CL831-1020-0-01		Δ	1/2

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ			
Solderbility	3 °C 3 +/1 0.3 sec	All leads shall be exhibit a continuous solder coating free from defect for a minimum of 95% of the critical area of any individual lead	Х	-			
Resistance to soldering heat	Reflow 2times in the Fig-1 codition	No critical connector deformation or looseness of contacts	Х	1			

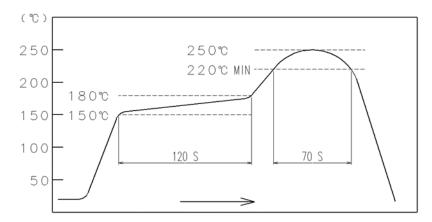


Fig-1. Reflow codition of resitance to soldering heat (Tempearature at the top surface of connector)

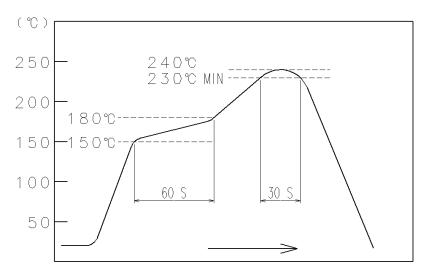


Fig-2 Recommended reflow profile temperature (Tempareture at SMT leads)

Note QT:0	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-384993-01-00		
HS	SPECIFICATION SHEET	PART NO.	BF4-IR2-16P-0.5SH(01)			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO	CL83	1-1020-0-01	\triangle	2/2