	Storage temperature range (before unpacking) Operating temperature range		-10 to +60 [deg. C] (40 to 75%RH) rang but to +60 [deg. C] (85%RH MAX) Cha			cteristic		-40 to +85 [deg. C] (85%RH MAX) No freezing and bedewing			
Operating					Characteris			Differential 100 [ohm]			
condition	Input signal IF		SLVS-200	<u> </u>	ACTIVATE	voltage	1.0 to 3.6V				
	Input signal voltage		Differential voltage 200 to 1400 mV Common voltage 150 to 340 mV								
	Input power voltage		[Single supply mode] (Tx & Rx) 3.3V [Dual supply mode] (Tx) 2.5V, (Rx) 2.5V AND 1.5V								
	Suitable conne	ector	Transmitter (Tx): BF4-TX-14DS-0.5V, Receiver (Rx): BF4-RX-14DS-0.5V								
			, ,		TIONS	(,					
	TEN4	1			110110			OLUDEMENTO	ОТ		
	TEM		TEST METHO	טט			KE	QUIREMENTS	QT	AT	
	RUCTION	h.e. 1.				lo 1			1	1	
Dimension, Construction and Finishing		Visual inspection and dimension measurement				Comply with the drawing			Χ	Х	
Marking		Visual inspection							Х	X	
	RIC PERFO										
Data rate	do i Lixi O					No mask I	hit s	t 0.05 to 6.25 Ghns	1		
Daid Idit		Eye diagram test Input differential PRBS7 200mV signal.				No mask hit at 0.05 to 6.25 Gbps			X	-	
Bit error rate (BER)		BERT test				<1X10 ⁻¹² (@6.25Gbps)					
		Input differential PRBS7 200mV signal.							Х	-	
		(VDD=3.3		₩							
6.25Gbps data tansmission test		Eye diagram test Input 6.25Gbps PRBS7 differential 200mV signal. Δ				No mask hit			X	X	
tariottiiooiUH test		(VDD=3.3V, Single supply mode, OL=open)							_ ^	^	
Input voltage		Eye diagram test				No mask hit					
,		Input 6.25Gbps PRBS7 differential 200mV and 1400mV							Х	-	
		signal.(VDD=3.3V, Single supply mode, OL=open) Δ				D.111			.,	L.,	
Output voltage		Shall be checked the output voltage from Rx plug.				Differential voltage: 160-330mV			X	Х	
Signal detect (SD)		(VDD=3.3V, single supply mode, OL=open) Shall be turned SD=High when VDD=3.3V and ACT=High.				Common mode voltage: 180-330mV SD=High voltage: 1.0 to 1.6V			X	X	
Signal detect (SD) Power consumption		Shall be turned SD=High when VDD=3.3V and ACT=High. Shall be checked the voltage and current by digital multi				[Single su					
(TX & RX total)		meter.				During operation: 120mW Max Sleep mode: 25uW Max [Dual supply mode] During operation: 80mW Max Sleep mode: 25uW Max			X	-	
MECHAI	NICAL CHA	RACTE	RISTICS								
Mating Dura		50 cycles of mating and unmating with BF4 receptacle. No looseness, breakage and cracks							X	-	
Vibration		Vibration for 2 hours in 3 directions, at an amplitude of				(Visual and data transmission check before and after test)			Х	_	
01 1		1.5mm with the frequency range 10 to 55 [Hz].									
Shock		3 times and 3 directions with the acceleration 490 [m/s ²] in duration 11ms.							Х	-	
Fibor Bull						. 701					
Fiber Pull.		Measuring fiber tensile strength at breakdown point Pulling direction: Fiber axial direction.				>7N			X	l _	
		Pulling speed: 10mm/min							^		
ENVIRO	NMENTAL		CTERISTICS						1		
Temperature cycling High Temp storage Low Temp storage		Temperature: -40 ⇔ +85 [deg. C] ,w/o applying current				No looseness, breakage and cracks (Visual and data transmission check			T		
		Time: 10 minutes ⇔ 10 minutes							X	-	
		Number of cycle: 100 cycles Temperature: 85 [deg. C], w/o applying current				perore an	before and after test)				
		Time : 1000 hours							X	-	
		Temperature: -40 [deg. C], w/o applying current							X	T -	
		Time: 1000 hours				4					
Temperature and humidity cycling		Temperature, Humidity: -10 ⇔ +65 deg.C, 93%RH w/o applying current Number of cycle: 10 cycles							Х	_	
			ie: 24h/cycle								
ESD tolerar	nce		2kV (Human Body Model)			1			X	-	
COUN	NT DE	SCRIPTIC	N OF REVISIONS		DESIGNED			CHECKED	DA	TE	
1 2			(-00002328		SJ. SUZUKI			TS. YAMAZAKI		0317	
REMARK						APPROVE	ΕD	MT. SHIBUTANI	20141028 20141027 20141027		
	item shall b	e checked by mating with suitable receptacle				CHECKE		OM. MIYAMOTO			
	r on evaluati	· · · · · · · · · · · · · · · · · · ·			DESIGNE		YA. SANO				
The state of the s			••			DRAWN			TS. YAMAZAKI 2014		
Note OT 1)alifi	ot ^T-^				FL 04 17000C				·0JZ9	
Note QT:Qualification Test, AT:Assurance Test					DRAWIN	1					
שכ			CATION SHEET		PART NO.	BF4MC-6GTXRX-B1-**MM				411	
<u>Ол</u>	HIR 1-2-1	OSE EL	ECTRIC CO., LTD.		CODE NO.			4	/1\	1/1	