	Storage temperature range (before unpacking)		-10 to +60 [deg. C] (40 to 75%RH) Storage ter range(after but not wor		mounting, -40 to +85 [deg. C] (85%			X)	
Operating condition	Operating temperature range		-10 to +60 [deg. C] (85%RH No freezing and bedewing		haracterist	tic	Differential 100 [ohm]		
	Input signal IF		SLVS-200		CTIVATE		1.0 to 3.6V		
	Input signal voltage		Differential voltage 200 to 1400 mV Common voltage 150 to 340 mV [Single supply mode] (Tx & Rx) 3.3V						
	Input power voltage		[Dual supply mode] (Tx) 2.5V, (Rx) 2.5V AND 1.5V						
	Suitable conne	ector	, ,	nitter (Tx): BF4-TX-14DS-0.5V, Receiver (Rx): BF4-RX-14DS-0.5V					
		1	SPECIFI	ICATIO)NS	T		,	
	TEM		TEST METHOD			R	EQUIREMENTS	QT	AT
	RUCTION	1				I		1	ı
	Dimension, Construction and Finishing		Visual inspection and dimension measurement			Comply with the drawing			Х
Marking	ng .	Visual inspection			1		X	Х	
	RIC PERFO					1			<u> </u>
Data rate		Eye diagram test				No mask hit at 0.05 to 6.25 Gbps			
		Input differential PRBS7 200mV signal.						Х	-
Bit error rate (BER) 6.25Gbps data		BERT test				<1X10 ⁻¹² (@6.25Gbps)		X	
		Input differential PRBS7 200mV signal. (VDD=3.3V, Single supply mode, OL=open)						^	-
		Eye diagram test				No mask hit		+	
transmission test		Input 6.25Gbps PRBS7 differential 200mV signal.						Х	Χ
		(VDD=3.3V, Single supply mode, OL=open)						1	
Input voltage		Eye diagram test Input 6.25Gbps PRBS7 differential 200mV and				No mask hit		X	_
		1400mV signal.(VDD=3.3V, Single supply mode, OL=open)							
Output volta	age	Shall be checked the output voltage from Rx plug.				Differential voltage: 160-330mV		X	Х
Cianal data	ot (CD)	(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 detections Power cons	` '		checked the voltage and current			SD=riigii vo			^
(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 Durability		50 cycles of mating and unmating with BF4 receptacle. No loosenes					s, breakage and cracks	X	-
Vibration		Vibration for 2 hours in 3 directions, at an amplitude of 1.5mm with the frequency range 10 to 55 [Hz].				(Visual and data transmission check before and after test)		Х	-
Shock		3 times and 3 directions with the acceleration							
= = = ==		490 [m/s ²] in duration 11ms.						X	-
Fiber Pull.	Fiber Pull.		Measuring fiber tensile strength at breakdown point Pulling direction: Fiber axial direction.				>7N		-
			eed: 10mm/min						<u> </u>
			CTERISTICS						
Temperature cycling		Tomporch	uro: -10 \to 195 [doc 0] \times -2	anlying our	rent	No loosonos	s breakage and crocks	1	
	e eyeg	Time: 10	ure: -40 ⇔ +85 [deg. C] ,w/o apminutes ⇔ 10 minutes f cycle: 100 cycles	pplying curi	rent	(Visual and	s, breakage and cracks data transmission check after test)	X	-
High Temp		Time: 10 Number of Temperat	minutes ⇔ 10 minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying c		rent		data transmission check	X	-
High Temp	storage	Time: 10 Number of Temperat Time: 10	minutes ⇔ 10 minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying c 00 hours ure: -40 [deg. C], w/o applying c	current	rent	(Visual and	data transmission check		-
Low Temp s	storage	Time: 10 Number of Temperat Time: 10 Temperat Time: 10 Temperat w/o apply Number of	minutes \$\iff 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying composition ure: -40 [deg. C], w/o applying composition on hours ure, Humidity: -10 \$\iff +65\$ deg. ing current of cycle: 10 cycles	current		(Visual and	data transmission check	X	-
Low Temp s	storage storage re and humidity	Time: 10 Number of Temperat Time: 10 Temperat Time: 10 Temperat w/o apply Number of Cycle Tim	minutes \$\iff 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying composition of hours ure: -40 [deg. C], w/o applying composition of hours ure, Humidity: -10 \$\iff +65\$ deg. ing current of cycle: 10 cycles ine: 24h/cycle	current		(Visual and	data transmission check	X	
Low Temp s Temperatur cycling	storage storage re and humidity	Time: 10 Number of Temperat Time: 10 Temperat Time: 10 Temperat w/o apply Number of Cycle Tim Applying:	minutes \$\iff 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying composition ure: -40 [deg. C], w/o applying composition on hours ure, Humidity: -10 \$\iff +65\$ deg. ing current of cycle: 10 cycles	current current .C, 93%RH		(Visual and	data transmission check	X X X	- - -
Low Temp s Temperatur cycling ESD tolerar	storage storage re and humidity	Time: 10 Number of Temperat Time: 10 Temperat Time: 10 Temperat w/o apply Number of Cycle Tim Applying:	minutes \$\iff 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying c 00 hours ure: -40 [deg. C], w/o applying c 00 hours ure, Humidity: -10 \$\iff +65\$ deg. ing current of cycle: 10 cycles ae: 24h/cycle 2kV (Human Body Model)	current current .C, 93%RH	ł	(Visual and	data transmission check after test)	X X X	- - -
Low Temp s Temperatur cycling ESD tolerar COUN	storage storage re and humidity	Time: 10 Number of Temperat Time: 10 Temperat Time: 10 Temperat w/o apply Number of Cycle Tim Applying:	minutes \$\iff 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying c 00 hours ure: -40 [deg. C], w/o applying c 00 hours ure, Humidity: -10 \$\iff +65\$ deg. ing current of cycle: 10 cycles ae: 24h/cycle 2kV (Human Body Model)	current current .C, 93%RH	ł	(Visual and	data transmission check after test) CHECKED	X X X	
Low Temp s Temperatur cycling ESD tolerar COUN	storage storage re and humidity nce NT DE	Time: 10 Number of Temperat Time: 10 Temperat Time: 10 Temperat w/o apply Number of Cycle Tim Applying:	minutes \$\iff 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying c 00 hours ure: -40 [deg. C], w/o applying c 00 hours ure, Humidity: -10 \$\iff +65\$ deg. ing current of cycle: 10 cycles ae: 24h/cycle 2kV (Human Body Model)	current current .C, 93%RH	SIGNED	(Visual and a	data transmission check after test) CHECKED	X X X X DA	0317
Low Temp s Temperatur cycling ESD tolerar COUN COUN REMARK Each test	storage storage re and humidity nce NT DE	Time: 10 Number of Temperat Time : 10 Temperat Time : 10 Temperat w/o apply Number of Cycle Tim Applying 2 ESCRIPTIO	minutes \$\iffers 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying coon hours ure: -40 [deg. C], w/o applying coon hours ure, Humidity: -10 \$\iffers +65\$ deg. ding current of cycle: 10 cycles die: 24h/cycle 2kV (Human Body Model) DN OF REVISIONS and by mating with suitable	current current .C, 93%RH	SIGNED	(Visual and a before and a	checked CHECKED YY. HIYAMA	X X X DA	0317 0317
Temperatur cycling ESD tolerar COUNTEREMARK Each test	storage storage re and humidity nce NT DE	Time: 10 Number of Temperat Time : 10 Temperat Time : 10 Temperat w/o apply Number of Cycle Tim Applying 2 ESCRIPTIO	minutes \$\iffers 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying coon hours ure: -40 [deg. C], w/o applying coon hours ure, Humidity: -10 \$\iffers +65\$ deg. ding current of cycle: 10 cycles die: 24h/cycle 2kV (Human Body Model) DN OF REVISIONS and by mating with suitable	current current .C, 93%RH	SIGNED	(Visual and a before a befor	CHECKED YY. HIYAMA TS. YAMAZAKI	X X X X DA 2020 2020	0317 0317 0317
Low Temp s Temperatur cycling ESD tolerar COUN COUN REMARK Each test connector	storage storage re and humidity nce NT DE	Time: 10 Number of Temperat Time : 10 Temperat Time : 10 Temperat w/o apply Number of Cycle Tim Applying 2 ESCRIPTIO	minutes \$\iffers 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying coon hours ure: -40 [deg. C], w/o applying coon hours ure, Humidity: -10 \$\iffers +65\$ deg. sing current of cycle: 10 cycles sine: 24h/cycle 2kV (Human Body Model) DN OF REVISIONS and by mating with suitable of cycle: 10 with suitable	current current .C, 93%RH DES	SIGNED	APPROVED CHECKED DESIGNED	CHECKED YY. HIYAMA TS. YAMAZAKI SJ. SUZUKI	X X X X DA 2020 2020 2020 2020 2020	0317 0317 0317
Low Temp s Temperatur cycling ESD tolerar COUN REMARK Each test connector	storage storage re and humidity nce NT DE t item shall bor on evaluation	Time: 10 Number of Temperat Time : 10 Temperat Time : 10 Temperat w/o apply Number of Cycle Tim Applying 3 ESCRIPTIO	minutes \$\iffers 10\$ minutes of cycle: 100 cycles ure: 85 [deg. C], w/o applying coon hours ure: -40 [deg. C], w/o applying coon hours ure, Humidity: -10 \$\iffers +65\$ deg. sing current of cycle: 10 cycles sine: 24h/cycle 2kV (Human Body Model) DN OF REVISIONS and by mating with suitable of cycle: 10 with suitable	current current .C, 93%RH DES	SIGNED	APPROVED CHECKED DESIGNED DRAWN	CHECKED YY. HIYAMA TS. YAMAZAKI SJ. SUZUKI SJ. SUZUKI	X X X X DA 2020 2020 2020 2020 5-00	0317 0317 0317