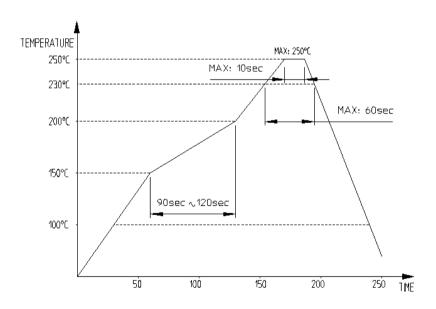
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	APPLICABLE STANDARD Universal Serial Bus Type-C Cable and Connector Specification Release 2.1 Universal Serial Bus Type-C Connectors and Cable Assemblies Compliance Document Revision 2.1b								on 2.1b								
RATING CORRENT 0				0.:	1.25A Max. for each power pin (A1, A4, A9, A12, B1, B4, B5, B9, B12) 0.25A for the other pins												
	OPERATING		VOLTAGE		BV AC/DC												
	STORAGE					0℃ ~ +105℃ (INCLUDING TEMP. RISE), 95% RH max. (NON-CONDENSING) 0℃ ~ +60℃ (WITH PACKING), 15% ~ 70% RH											
Para.	ara. Test Description T			Test	st Procedure				Test Requirement			QT	ΑТ				
1	1 I Examination of product I				34-18 inspection	on					No pl	No physical damage.			0	0	
Elect	rical Requir	en	nents														
2 Low Level Contact Algorithm Resistance Shall be deducted from				00Hz). is requir termina	OHz). Initial : $40m\Omega$ max for each contact s required and After test : $50m\Omega$ max for each contermination					0	_						
3	Dielectric Withstanding Voltage Withstanding Voltage Unmated condition. 100V AC RMS for 1 minut						ino disruptive discharge.				0	1					
4	Insulatio	n F	Resistance	EIA 36 500V I		ınmate	d and n	I and mated condition. 100MΩ min.						0	ı		
Mech	anical Req	uir	ements														
5	Inser	tior	n force	EIA 36 Measu		5mm/ı	I .				nitial & after test : 5N ~ 20N (with virgin plug)				0	_	
6	Extrac	ctio	n force	EIA 36 Measu		5mm/ı	ninute r	Initial: 8N ~ 20N After test: 6N ~ 20N (with virgin p			lug)	0	-				
7	Du	ıral	bility	EIA 364-09 Mated 10,000 times Mechanically operated: 50 Mating stroke: 2.75mm Insertion, extraction force sat a maximum speed of 12				m orce shall be measured					0	_			
8	Rando	m \	/ibration	Mated specimens to 3.10 G's RMS between 20 to 500Hz 15 minutes in each of 3 mutually					No di durat	nysical dama scontinuity o ion when ma g test.	f 1µs of	-		0	-		
REMARKS			DI	RAFT	DE	SIGN	iΤ	CHECK	APPF	ROVAL	REL	EAS	E				
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Para.	Test Description	Test Procedure	Test Requirement	QT	ΑТ
Envir	onmental Requirements				
9	Temperature Life	EIA 364-17, Method A 105°C without applied voltage for 120 hours.	No physical damage.	0	_
10	Cyclic Temperature and Humidity	EIA 364-31 25±3°C at 80±3% RH for 1 hour. 65±3°C at 50±3% RH for 1 hour. Thermal ramp: 0.5 hour Number of cycles: 24 cycles	No physical damage.	0	ı
11	Thermal Shock	EIA 364-32, Test Condition I 10 cycles -55°C and +105°C	No physical damage.	0	-
12	Solderability	EIA 364-52 Dwell in 245±5℃ of the solder bath for 5 sec.	Solder coverage shall be 95% min. of the immersed surfaces.	0	-
13	Salt Spray	EIA 364-26 5% of NaCl in 35℃ for 48 hours.	No corrosions that affect to the connector operation.	0	1
14	Reflow test	Reflow profile [Fig.1] Peak 250°C max for 10 sec 2 times.	Co-planarity Before & after Reflow 0.10 max. No deformation of mold No shape of blister and popcorn	0	_

REMARKS



[Fig.1] REFLOW TEMPERATURE

NOTE) QT: QUALIFICATION TEST, AT: ASSURANCE TEST, O: Applicable Test								
DWG NO	CL NO	PART NO						
ELC4-632525	CL 6240-0005-0	CX80B1-24P						

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Qualification Test Sequence Table									
Dana	Took December	Test Group							
Para.	Test Description	Α	В	С	D	Е	F	G	Н
1	Examination of product	1	1	1	1	1	1	1	1
2	Low Level Contact Resistance	2, 4	2, 10	2, 4	2, 4	2, 4		2, 4	
3	Dielectric Withstanding Voltage		3, 11						
4	Insulation Resistance		4, 12						
5	Insertion force		5, 8						
6	Extraction force		6, 9						
7	Durability		7						
8	Random Vibration	3							
9	Temperature Life			3					
10	Cyclic Temperature and Humidity				3				
11	Thermal Shock					3			
12	Solderability						2		
13	Salt Spray							3	
14	Reflow Test								2

REMARKS

1) Numbers in the table above indicate the sequence corresponding to each test group.

NOTE) QT: QUALIFICATION TEST, AT: ASSURANCE TEST, O: Applicable Test								
DWG NO	CL NO	PART NO						
ELC4-632525	CL 6240-0005-0	CX80B1-24P						

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