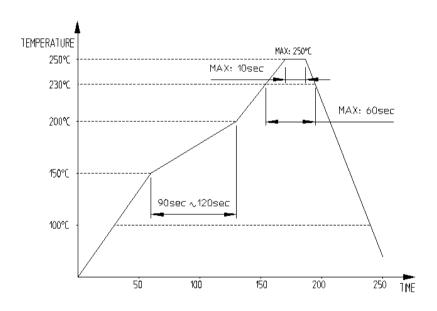
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A		1	Revised			LSH	LHJ	21.03.08	Ą	_	Revis	ised			KYI	LHJ	21.1	2.16
/S\	Universal Serial Rus Type-							21.08.23	$\Delta$									
Universal Serial Bus Ty							ype-C Cable and Connector Specification Release 2.1 ype-C Connectors and Cable Assemblies Compliance Document Revision 2.1b ch power pin (i.e. A1, A4, A9, A12, B1, B4, B9, B12)											
						ON(i.e. B5), DC 0.25A for the other pins												
!						NCLUDING TEMP. RISE), 95% RH max. (NON-CONDENSING)												
	STORAGE CONDITION -10° ~ +60° (WITH PACKING), 15% ~ 70% RH																	
Para.	ara. Test Description Test F					Proced	ure			Test Requirement					QΤ	ΑТ		
1		Exar	minatio	n of product	EIA 36- Visual i	4-18 Inspectio	on					No p	ohysical damaç	je.			0	0
Electi	ric	al R	equire	ments														
2		Lo		el Contact tance	at 100r 4-wire the res	e at 20r nA max measure istance	. (DC o ement is of PCB	open cion cion open cion o	) d and ion				al : 40mΩ max r test : 50mΩ r	max			0	1
3		Wit		ectric ng Voltage	unmate	e per M d condi	tion.	with	ea leve	l.		No o	No disruptive discharge.					_
4		Ins	ulation	Resistance	EIA 36- 500V D		ınmated	d and ma	and mated condition. 100MΩ min.						0	-		
Mech	nar	nical	Requi	rements														
5			Insertic	n force	EIA 36- Measur		5mm/m	ninute mi	Initial & After test: 5N ~ 20N (with virgin plug)							0	ı	
6		I	Extracti	on force	EIA 364 Measur		5mm/m	ninute mi	n.			Initial: 8N ~ 20N After test: 6N ~ 20N (with virgin plug)					0	-
7		EIA 364-09 Mated 10,000 times Mechanically operated: 500cycles/hr Mating stroke: 2.75mm Insertion, extraction force shall be measured at a maximum speed of 12.5mm/min							0	ı								
8		R	andom	Vibration	Test Co Mated betwee 15 min	FIA 364-28 Fest Condition VII, Test Letter D Mated specimens to 3.10 G's RMS Detween 20 to 500Hz IS minutes in each of 3 mutually perpendicular planes.  No physical damage. No discontinuity of 1µs of longer duration when mated connector during test.					0	-						
REMAR	REMARKS							DR	4FT	DE	SIGN	N	CHECK	APPR	OVAL	REL	EAS	E
							Y.B.F	PARK	   Y.В.			H.J.LEE	L		DE 21.1			
						19.02.28					2.10 VG	7						
		: QL	JALIFICA	ATION TEST, AT	: ASSU	1	TEST, (	O: Appli	cable Te	est								
DWG N						CL NO							PART NO					
	E	LC <sub>4</sub>	4–63	32573-0°	1	Cl	_ 62	40-0	019	-4-	000	0	CX9	OMV	/P1-	-24P	<u> </u>	
R	HIS HIROSE KOREA.CO.,LTD					PRODUCT SPECIFICATION 1/3												

Para.	Test Description	Test Procedure	Test Requirement	QT	ΑТ
Enviro	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	1
11	Thermal Shock	EIA 364-32, Test Condition I 10 cycles -55°C and +105°C	No physical damage.	0	ı
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	_
14	Co-Planarity	Measure Co-planarity of each contact lead.	0.08 Max before reflow. 0.10 Max after reflow 2times.	0	-
15	IPX4	Water splashing against the enclosure from any direction shall have no harmful effect. Duration: 5minutes at least. Water volume: 10L/min±5% Pressure: 50~150KPa	No water leakage.	0	-
16	Reflow Heat	Reflow profile [Fig.1] Peak 250°C max for 10 sec 2 times.	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							
ELC4-632573-01	CL 6240-0019-4-000	CX90MWP1-24P							

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PRODUCT SPECIFICATION

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Qualification Test Sequence Table										
D	Tank Danadakina	Test Group								
Para.	Test Description	Α	В	С	D	E	F	G	Н	1
1	Examination of product	1, 6	1, 14	1, 6	1, 6	1, 6	1, 3	1, 6	1, 4	1, 4
2	Low Level Contact Resistance	3, 5	3, 13	3, 5	3, 5	3, 5		3, 5		
3	Dielectric Withstanding Voltage		4, 12							
4	Insulation Resistance		5, 11							
5	Insertion force		6, 10							
6	Extraction force		7, 9							
7	Durability		8							
8	Random Vibration	4								
9	Temperature Life			4						
10	Cyclic Temperature and Humidity				4					
11	Thermal Shock					4				
12	Solderability						2			
13	Salt Spray							4		
14	Co-planarity								3	
15	IPX4			_						3
16	16 Reflow Heat		2	2	2	2		2	2	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

 ELC4-632573-01
 CL 6240-0019-4-000
 CX90MWP1-24P

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PRODUCT SPECIFICATION