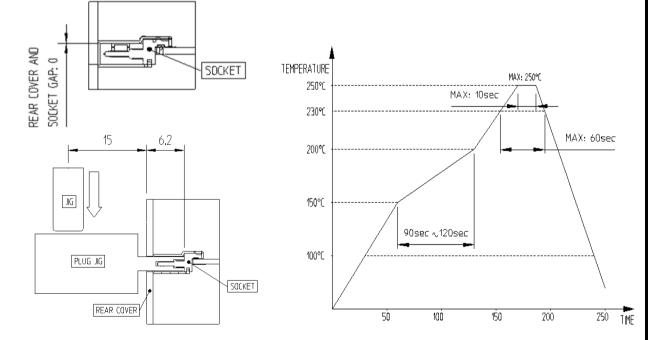
REV	COUNT DESCRIPTION OF REVISIONS BY C			CHKD	DATE	REV	COUNT	DES	SCRIPTION OF REVISIONS BY			CHKD	DA	ΙΤΕ		
A	-				LCE	LHJ	17.11.21	A	-	Revise	sed KYI LI			LHJ	21.1	2.15
Δ	- Revised KYG				l	LHJ	21.08.23									
APPLICABLE STANDARD Universal Serial Bus Type-C Cable and Connector Specification Release 2.1 Universal Serial Bus Type-C Connectors and Cable Assemblies Compliance Document Revision 2.1b																
RATING CURRENT			0.2	1.25A Max. for each power pin (A1, A4, A9, A12, B1, B4, B5, B9, B12) 0.25A for the other pins												
VOLTAGE OPERATING CONDITION			-	48V AC/DC -40° ~ +105° (Including Temp. rise), 95% RH Max. (Non-condensing)												
	• · _ · ·							•			i max. (Non-cond	ensing)				
STORAGE CONDITION Para. Test Description				-10℃ ~ +60℃ (With packing), 15% ~ 70% RH Test Procedure										ΑТ		
1 Examination of product			EIA 364-18 Visual inspection				N	No physical damage.					0			
Electr	rical F	Require	ments													<u> </u>
2	2 Low Level Contact Resistance				, , , , , , , , , , , , , , , , , , , ,					Initial: 40mΩ max After test: 50mΩ max					_	
3	:3				EIA 364-20 Measure per Method B with unmated condition. 100V AC RMS for 1 minute at sea level.					N	No disruptive discharge.					_
4	4 I Ingulation Registance I			EIA 364-21 500V DC with unmated and mated condition.				1	100MΩ min.				0	-		
Mech	anica	I Requi	rements													
5	FIA 364-13				5mm/m	inute mi	Initial: 5N ~ 20N After test: 5N ~ 20N (with virgin plug			lug)	0	_				
6	I EVITACTION TOTOS I				EIA 364-13 Measure at 12.5mm/minute min.					Initial: 8N ~ 20N After test: 6N ~ 20N (with virgin plug)				0	-	
7	7 Durability EIA 364-09 Mated 10,000 times Mechanically operated Mating stroke: 2.75mm Insertion, extraction for at a maximum speed o				n ce shall	be mea	asured	N	No physical damage.					-		
8	Vibration IEC 60521-4-6d Frequency10 to 55Hz, m/s2 for 2hr in 3 direct					olitude	0.75mm	_	No electrical discontinuity of 1µs. No physical damage.				0	-		
9		Sh	ock	IEC 60521-4-6C 490m/s2 , Duration of pulse 11ms at 3 times in 3 directions.						o electrical discontinuity of 1µs. o physical damage.				0	_	
10	After insertion of plug, measure the damaged 4 directions. Wrenching strength (up,down, left, right) Speed12.5mm/Min, apply a force at 15mm socket frome edge.[Fig.1]				rce at tl			50N Min.				0	_			
REMAF	REMARKS				DRA	4FT	DES	SIGN	CHECK	APPR	OVAL	RELE	EAS	Е		
					C.E	.LIM	C.E	.LIM	H.J.LEE	T.S.k	KANG	21.1		5		
				15.0	9.24	15.0	9.24				_	ENG				
NOTE) (QT : QI	JALIFICA	ATION TEST, AT	: ASSU	RANCE	TEST, C): Appli	cable To	ı əst		1					
DWG N			. ,		CL NO						PART NO					
ELC4-611479 CL (6240-0002-1 CX70M-24P1												
ĸ	HIS HIROSE KOREA.CO.,LTD					PRODUCT SPECIFICATION 1/3						3				

Para.	Test Description	Test Procedure	Test Requirement	QT	ΑТ				
Enviro	Environmental Requirements								
11	Temperature Life	EIA 364-17, Method A 105℃ without applied voltage for 120 hours.	No physical damage.	0	-				
12	Damp heat (Steady state)	IEC 60512-6-11C Exposed at +85℃, 85%RH for 120 hr. (Mating applicable connector)	No physical damage.	0	ı				
13	Cold	IEC60512-6-11j Exposed at -40±2 °C for 96±4 Hr. (Mating applicable connector)	No physical damage.	0	-				
14	Thermal Shock	EIA 364-32 10 cycles -55°C and +105°C	No physical damage.	0	1				
15	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	-				
16	Salt Spray	EIA 364-26 5% of NaCl in 35℃ for 48 hours.	No corrosions that affect to the connector operation.	0	-				
17	Co-Planarity	Measure Co-planarity of each contact lead.	0.08 Max before reflow. 0.08 Max after reflow 2times.	0	-				
18	Reflow Heat	Reflow profile [Fig.2] Peak 250°C max for 10 sec 2 times.	No deformation of mold No shape of blister and popcorn	0	-				

REMARKS



[Fig.1] Wrenching strength (Using USB Type-C Standard reference test fixture)

[Fig.2] REFLOW TEMPERATURE

NOTE) QT: QUALIFICATION TEST, AT: ASSURANCE TEST, O: Applicable Test										
DWG NO	CL NO	PART NO								
ELC4-611479	CL 6240-0002-1	CX70M-24P1								
			$\overline{}$							

HIS HIROSE KOREA.CO.,LTD

PRODUCT SPECIFICATION

Qualification Test Sequence Table											
	Total Day 1.11	Test Group									
Para.	Test Description	Α	В	С	D	E	F	G	Н	I	J
1	Examination of product	1, 7	1, 14	1, 6	1, 6	1, 6	1, 6	1, 6	1, 3	1, 6	1, 4
2	Low Level Contact Resistance	3, 6	3, 13	3, 5	3, 5	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	Vibration	4									
9	Shock	5									
10	Wrenching strength			4							
11	Temperature Life				4						
12	Damp heat					4					
13	Cold						4				
14	Thermal Shock							4			
15	Solderability								2		
16	Salt Spray									4	
17	Co-planarity										3
18	Reflow Heat	2	2	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							
ELC4-611479	CL 6	6240-0002-1	CX70M-24P1							
HIS HIROSE KOREA.CO	O.,LTD	PRODUCT	SPECIFICATION	3/3						