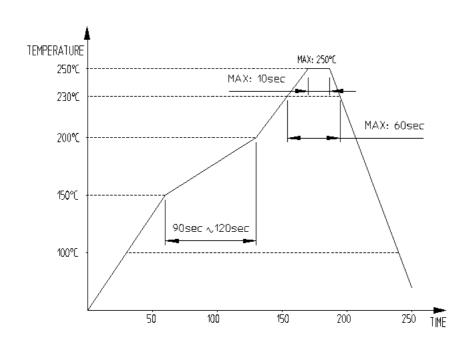
I									1	•						
REV				ISIONS	BY	CHKD	DATE	REV	COUNT	DESC	CRIPTION OF REV	ISIONS	BY	CHKD	DA	ιTΕ
<u> </u>	_ RE-2-1344 (Released))	PMC	LHJ	19.09.30	<u> </u>	-	Revis	rised KYI I			LHJ	21.1	2.16
<u>/2\</u>	2 - Revised				KYG LHJ 21.08.23 🛆											
						orial Bus Type-C Cable and Connector Specification Release 2.1 orial Bus Type-C Connectors and Cable Assemblies Compliance Document Revision 2.1b										
RATING CURRENT				1.50A max. for each power pin (i.e. A1, A4, A9, A12, B1, B4, B9, B12) 1.25A max. for VCON(i.e. B5), 0.25A for the other pins												
	VOLTAGE			48\	48V AC/DC											
OPERATING CONDITION				_	-40°C ~ +105°C (INCLUDING TEMP. RISE), 95% RH max. (NON-CONDENSING)											
STORAGE CONDITION -10 °C ~ +60 °C (WITH PACKING), 15% ~ 70% RH																
Para.	ara. Test Description				Test Procedure						Test Requirement					ΑТ
1	1 Examination of product				No physical damage.									0	0	
Elect	Electrical Requirements															
2	2 Low Level Contact Resistance				EIA 364-23 Measure at 20mV max open circuit at 100mA max. (DC or 1000Hz) 4-wire measurement is required and the resistance of PCB termination shall be deducted from the reading.						Initial:40mΩ max After test:50mΩ max					1
3	Dielectric Withstanding Voltage				EIA 364-20 Measure per Method B with unmated condition. 100V AC RMS for 1 minute at sea level.						No disruptive discharge.					_
4	I 4 I Inquilation Registance I				EIA 364-21 500V DC with unmated and mated condition.					10	100MΩ min.					_
Mech	nanical	Requi	rements													
I 5 I Incortion force I					EIA 364-13 Measure at 12.5mm/minute min.						Initial & After test : 5N ~ 20N (with virgin plug)					_
6	N I FYTTACTION TOTCE I				EIA 364-13 Measure at 12.5mm/minute min.						Initial: 8N ~ 20N After test: 6N ~ 20N (with virgin plug)				0	_
7	Durability EIA 364-09 Mated 10,000 time Mechanically opera Mating stroke : 2.7 Insertion, extractio at a maximum spe				perated 2.75mn ction for	nm orce shall be measured				No physical damage.				0		
8	Tes B Random Vibration bet 15				A 364-28 est Condition VII, Test Letter D eated specimens to 3.10 G's RMS etween 20 to 500Hz of minutes in each of 3 mutually erpendicular planes.					N	No physical damage. No discontinuity of 1µs of longer duration when mated connector during test.				0	-
REMARKS					DRA	\FT	DES	SIGN	I CHECK APPROVAL		RELE	EAS	E			
									ATTIOVAL I			DE				
					M.C.I	PAEK	M.C.	PAEK	.cv 11 11cc 11 11cc [23.04		1		
					19.0	9.20	19.0	9.20						丿		
										_						
NOTE) QT : QUALIFICATION TEST, AT : ASSURANCE TEST, O : Applicable Test DWG NO PART NO											\dashv					
					40-0	10-0026-0-000				CX90MF-16P						
HIROSE KOREA.CO.,LTD					PRODUCT SPECIFICATION 1/3								3			

Para.	Test Description	Test Procedure	Test Requirement	QT	ΑТ				
Environmental 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	-				
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

ELC4-632837-00

CL NO

PART NO

CX90MF-16P

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PRODUCT SPECIFICATION

Qualification Test Sequence Table												
_	T 18 11	Test Group										
Para.	Test Description	Α	В	С	D	E	F	G	Н			
1	Examination of product	1, 6	1, 14	1, 6	1, 6	1, 6	1, 3	1, 6	1, 3			
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	Reflow Test	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

ELC4-632837-00

CL NO

CL 6240-0026-0-000

CX90MF-16P

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