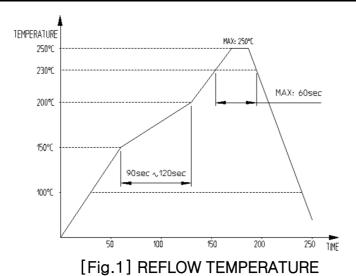
REV	COUNT DESCRIPTION OF REVISIONS BY CHKD			DATE	REV	COUNT	DES	DESCRIPTION OF REVISIONS BY CHI			CHKD	DA	ΙΤΕ			
<u> </u>	-	Revised	Drawing		JSK	LHJ	21.08.30	\triangle								
<u>/2\</u>	Drawing		JSK	LHJ	21.11.19	\triangle										
APPLICABLE STANDARD Universal Serial Bus T								ype-C Cable and Connector Specification Release 2.1 ype-C Connectors and Cable Assemblies Compliance Document Revision 2.1b								
RATING					1.25A Max. for each power pin (A1, A4, A9, A12, B1, B4, B5, B9, B12) 0.25A for the other pins											
VOLTAGE					48V AC/DC											
OPERATING CONDITION					-40℃ ~ +105℃ (INCLUDING TEMP. RISE), 95% RH max. (NON-CONDENSING)											
STORAGE CONDITION -10° ~ +60° (WITH PACKING), 15								5% ~ 7	~ 70% RH							
Para.	ara. Test Description				Test Procedure						Test Requirement					ΑТ
1	1 Examination of product				IA 364-18 isual inspection					N	No physical damage.				0	0
Electi	rical R	equire	ments													
2 Low Level Contact Resistance				Measur at 100r 4-wire the resi	IIA 364-23 Measure at 20mV max open circuit t 100mA (DC OR 1000Hz). —wire measurement is required and ne resistance of PCB termination hall be deducted from the reading.						Initial: 40mΩ max for each contact After test: 50mΩ max for each contact				0	_
3	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.				0	
4	4 Insulation Resistance				EIA 364-21 500V DC with unmated and mated condition.					1	100MΩ min.				0	_
Mech	anical	Requi	rements													
5		Insertic	n force	EIA 364 Measur		12.5mm/minute min.					Initial: 5N ~ 20N After test: 5N ~ 20N (with virgin plug)				0	_
6	6 Extraction force				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: 500±50cycles/hr Mating stroke: 2.75mm Insertion, extraction force shall be measured at a maximum speed of 12.5mm/min						No physical damage.				0	_
8	Random Vibration Mated spe between 2 15 minute				64-28 Condition VII, Test Letter D I specimens to 3.10 G's RMS en 20 to 500Hz nutes in each of 3 mutually ndicular planes.					No physical damage. No discontinuity of 1µs of longer duration when mated connector during test.				0		
REMARKS						DRA	AFT	DESIGN		CHECK	APPF	ROVAL	RELI	AS	E	
						S.K 21.0	JANG 4.06	S.K 21.0			H.J.LEE H.J.LEE		21.1 EN	1.19		
NOTE)	NOTE) QT : QUALIFICATION TEST, AT : ASSURANCE TEST, O : Applicable Test							_	_							
DWG NO CL NO CL 6240-0035-0						PART NO CX90B2-24P										
HIS HIROSE KOREA.CO.,LTD						PRODUCT SPECIFICATION 1/3										

Para.	Test Description	Test Procedure	Test Requirement	QT	АТ						
Enviro	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	_						
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 Sample Condition: Reflow Soldered on PCB 5% of NaCl in 35°C for 48 hours.	No corrosions that affect to the connector operation.	0	-						
14	Mixed Flowing Gas	EIA 364-65 Measure Environment 30°C/70%RH CL ₂ 10±3ppb, No ₂ 200±50ppb, H ₂ S 10±5ppb, SO ₂ 100±20ppb Expose half of sample mated for 1/3 days and then unmated for 2/3 days .The others are exposed mated for full 7 days test period.	No corrosions that affect to the connector operation.	0	_						
15	Temperature Rise	EIA-364-70, method B A current of 5.0 A shall be applied collectively to VBUS pins (i.e., pins A4, A9, B4, and B9) and 1.25 A applied to the Vconn pin (i.e., B5 of the plug connector) with the return path through the corresponding GND pins (i.e., pins A1, A12, B1, and B12). A minimum current of 0.25 A shall also be applied individually to all the other contacts.	Temperature rise shall not exceed 30℃	0	_						
16	Reflow heat	Reflow profile [Fig.1] Peak 250°C max for 10 sec 2 times.	No deformation of mold No blister and popcorn	0	-						

REMARKS



NOTE) QT : QUALIFICATION TEST, AT : ASSURANCE TEST, O : Applicable Test

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CL 6240-0035-0

PART NO CX90B2-24P

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Qualification Test Sequence Table												
Doro	Took Decembring	Test Group										
Para.	Test Description	Α	В	С	D	E	F	G	Н			
1	Examination of product	1, 6	1, 8	1, 7	1, 7	1, 14	1, 3	1, 6	1, 6			
2	Low Level Contact Resistance	3, 5	3, 5, 7	3, 4, 6	3, 4, 6	5, 13		3, 5	3, 5			
3	Dielectric Withstanding Voltage					4, 12						
4	Insulation Resistance					3, 11						
5	Insertion force					6, 10						
6	Extraction force					7, 9						
7	Durability					8						
8	Random Vibration			5								
9	Temperature Life	4										
10	Cyclic Temperature and Humidity		6									
11	Thermal Shock		4									
12	Solderability						2					
13	Salt Spray							4				
14	Mixed Flowing Gas				5							
15	Temperature Rise								4			
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 PART NO ELC4-633305 CL 6240-0035-0 CX90B2-24P

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PRODUCT SPECIFICATION