REV	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	REV	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	-	Revised	BJH	LHJ	18.03.06						
2	-	Revised	JSK	LHJ	18.04.17						

APPLICABLE STANDARD		
RATING	CURRENT	DC 1.25A max for each power pin (i.e. A1, A4, A9, A12, B1, B4, B5, B9, B12) DC 0.25A for the other pins
	VOLTAGE	20V AC
OPERATING CONDITION		-20℃ ~ +80℃ (INCLUDING TEMP. RISE), 95% RH max. (NON-CONDENSING)
STORAGE CONDITION		-30℃ ~ +80℃ (WITH PACKING), 15% ~ 70% RH

Para.	Test Description	Test Procedure	Test Requirement	QT	AT
1	Examination of product	Visual inspection.	No physical damage.	O	O
Electrical Requirements					
2	Dielectric Withstanding Voltage	Mated condition. 100V AC RMS for 1 minute at sea level.	① No disruptive discharge. ② No exceed 5mA of cut off current.	O	-
3	Voltage Drop	Testing voltage : 20V DC Testing current : 3A	250mV for GND and 500mV for VBUS	O	-
Mechanical Requirements					
4	Cable Pull Out	EIA 364-38B ① Fix the head part of the cable ② Apply 40N min of steady state axial load to the cable at 500mm from the edge of the plug for one minute.	① No discontinuities greater than 1μs ② No physical damage.	O	-
5	Cable Flex	EIA 364-41 Mated condition. ① Speed : 13 cycle/min ② Cycle : 100 cycles ③ Angle : Total 120° (left & right each 60°) ④ Load : 1lbf (4.45N)	① No discontinuities greater than 1μs ② No physical damage.	O	-
6	Wrenching Strength	Perpendicular forces are applied to the plug in four directions. (left, right, up and down) ① A moment of 0~0.75Nm (50N at 15mm from the edge of the receptacle) is applied to the plug in the test fixture in each of the four directions. Stay at 0.75Nm for 10 seconds. ② Stay at 2.0Nm (up and down). Stay at 3.5Nm (left and right). A new plug and receptacle is required for each of the four test directions.	① No physical damege. No discontinuities greater than 1μs ② The plug shall disengage from the test fixture or mechanically fail.	O	-
7	4 Axis Continuity	Perpendicular moments are applied to the plug with a 5mm ball tipped probe. 20N force at 15mm from receptacle shell for 10 seconds in four directions of up or down and left or right.	No discontinuities greater than 1μs duration in any of the four orientations tested.	O	-

REMARKS	DRAFT	DESIGN	CHECK	APPROVAL	RELEASE
Unless otherwise specified, refer to the specifications for USB Type-C, EIA 364	J.H.BOO 18.02.23	S.K.JANG 18.02.23	H.J.LEE 18.02.23	T.S.KANG 18.02.23	DEPT 18.05.14 ENG

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

DWG NO	CL NO	PART NO
ELC4-632547	CL 6240-0018-1	CX60-24S-1000-C

Qualification Test Sequence Table

Para.	Test Description	Test Group							
		A	B	C	D	E	F	G	H
1	Examination of Product	1	1	1	1				
2	Dielectric Withstanding Voltage		3						
3	Voltage Drop	4							
4	Cable Pull Out	2							
5	Cable Flex	3							
6	Wrenching Strength		2(①)	2(②)					
7	4 Axis Continuity				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
ELC4-632547	CL 6240-0018-1	CX60-24S-1000-C