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APPLICABLE STANDARD		USB3.0 SPECIFICATION AND MICRO-USB CABLE AND CONNECTORS SPECIFICATION.			
RATING	OPERATING TEMPERATURE RANGE	−30°C TO +85°C	STORAGE TEMPERATURE RANGE	−30°C TO +60°C	
	VOLTAGE	30V AC	CURRENT	SIGNAL ONLY	1.0 A/pin
				POWER APPLY	1.8 A/pin (PIN No.1,No.5)
					0.5 A/pin(PIN No.2 TO 4,No.6 TO 10)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	X
VOLTAGE PROOF	100 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
CAPACITANCE	MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE.	2 pF MAX.	X	—
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	A MAXIMUM RATE OF 12.5 mm/min MEASURED BY APPLICABLE CONNECTOR	INSERTION FORCE 35 N MAX. WITHDRAWAL FARCE 10 N MIN.(INITIAL)	X	—
MECHANICAL OPERATION	10000 TIMES INSERTIONS AND EXTRACTIONS. MATING SPEED - MECHANICALLY OPERATED : 500 CYCLES / h or - MANUALLY OPERATED : 200 CYCLES / h	1) CONTACT RESISTANCE: NO INCREASE OF MORE THAN 10 m Ω FROM INITIAL VALUE. 2) INSERTION FORCE 35 N MAX. WITHDRAWAL FORCE 8 N MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2h (6 HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RANDOM VIBRATION	FREQUENCY 50 TO 2000 Hz AT 15 min (45 MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS.		X	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
THERMAL SHOCK	TEMP −55 →+15 TO +35→+85→+15 TO+ 35 °C TIME 30 → 2 TO 3 → 30→ 2 TO 3 min. UNDER 10 CYCLES. (MATING APPLICABLE CONNECTOR)	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
HUMIDITY LIFE	TEMPERATURE -10 TO 65 °C, HUMIDITY 93±3 %, UNDER 7 CYCLES (168 h) (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DRY HEAT	EXPOSED AT 85°C±2°C, 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
COLD	EXPOSED AT -40°C±3°C, 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED AT 5 % SALT WATER, 35 °C, FOR 48h. (LEFT UNDER UNMATED CONDITION.)	NO HEAVY CORROSION.	X	—
SOLDERBILITY	SOLERRING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF 255°C±2°C, 5 sec.	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER 95% MIN.	X	—
RESISTANCE TO SOLDERING HEAT	A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES.	NO DEFORMATION OR SIGNIFICANT LOOSENESS OF CONTACTS.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠1					

REMARK
HIROSE will not guarantee the performance on these specifications in case this product will be mated with the others which is not HIROSE's.

Unless otherwise specified, refer to USB3.0, EIA364 or IEC 60512.

APPROVED	NM. NISHIMATSU	15. 10. 27
CHECKED	KN. ICHIKAWA	15. 10. 27
DESIGNED	TS. ITO	15. 10. 27
DRAWN	AK. AKIYAMA	15. 10. 27

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-128027-30-00

HRS	SPECIFICATION SHEET	PART NO.	ZX360D1-B-10P(30)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL242-0513-3-30 ⚠0	1/2

FORM HD0011-2-1

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ITEM	TEST METHOD	REQUIREMENTS	QT	AT

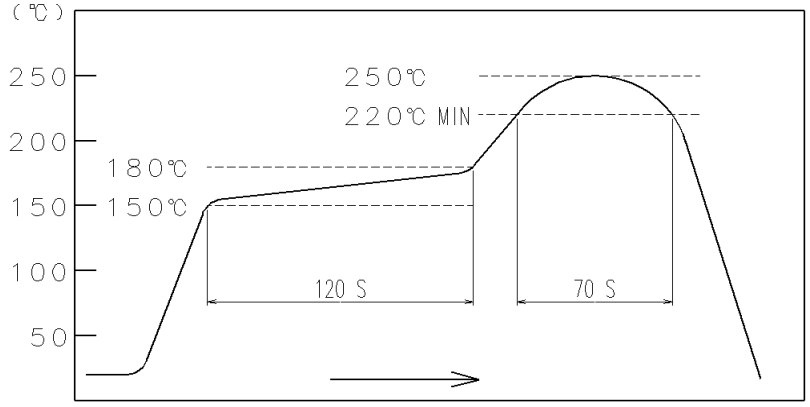


FIG – 1 RESISTANCE TO SOLDERING HEAT
(TEMPERATURE AT TOP SURFACE OF CONNECTOR)

RECOMMENDED PROFILE REFERS TO FIG – 2.
(TEMPERATURE AT SMT LEADS)

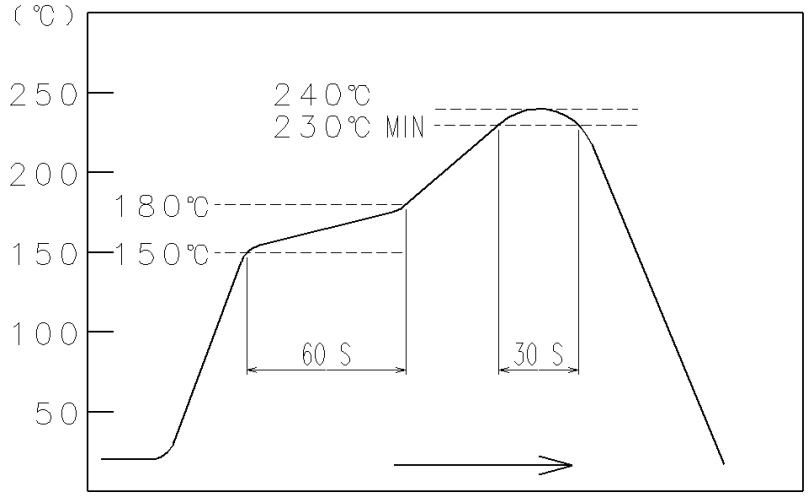


FIG – 2 RECOMMENDED REFLOW PROFILE TEMPERATURE