

2009/02/11 01:54:52 CAROL TRIBBLE

DRAWING FOR REFERENCE: This is subject to change without notice

TO

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	2	DIS-E-001569	H.K	N.M	07.06.19	△			
△					△				
APPLICABLE STANDARD									
OPERATING TEMPERATURE RANGE		-30°C TO 75°C			STORAGE TEMPERATURE RANGE		-40°C TO 85°C		
RATING	VOLTAGE	5V AC			CURRENT	1A			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.						×	×
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).						×	×
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX, 100 mA(DC OR 1000 Hz).			50 mΩ MAX.			×	—
INSULATION RESISTANCE		100 V DC			100 MΩ MIN.			×	×
VOLTAGE PROOF		100 V AC FOR 1min.			NO FLASHOVER OR BREAKDOWN			×	×
CAPASITANCE		MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE.			2 pF MAX			×	—
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 35 N MAX. EXTRACTION FORCE 7 N MIN.			×	—
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 70 mΩ MAX. ② EXTRACTION FORCE 4 N MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
RANDOM VIBRATION		FREQUENCY 50 TO 2000 Hz, AT 15 min, FOR 3 DIRECTIONS.						×	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 DIRECTION. HALF SINE WAVE.						×	—
ENVIRONMENTAL CHARACTERISTICS									
THERMAL SHOCK		TEMPERATURE -55→ 20~35→ 85→ 20~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 10 CYCLES,			① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
HUMIDITY LIFE		TEMPERATURE -10~65 °C, HUMIDITY 90 TO 98 %, UNDER 7 CYCLES (168 h)			① INSULATION RESISTANCE: 10 MΩ MIN.(AT DRY) ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h. (JIS C 5402)			① CONTACT RESISTANCE: 70 mΩ MAX. ② NO HEAVY CORROSION.			×	—
SOLDERABILITY		SOLDERED AT TEMP.245°C FOR IN IMMERSION,DURATION,2~3 S.			SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSERD.			×	—
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to USB2.0 EIA364.				M.SHIMOYAMA 06.07.05	M.SHIMOYAMA 06.07.05	K.ICHIKAWA 06.07.06	A.SUZUKI 06.07.06		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. UX60SD-MB-5S55 △		
CODE NO.(OLD)		DRAWING NO. ELC4-125719-00			CODE NO. CL240-0018-1-00			1/2	

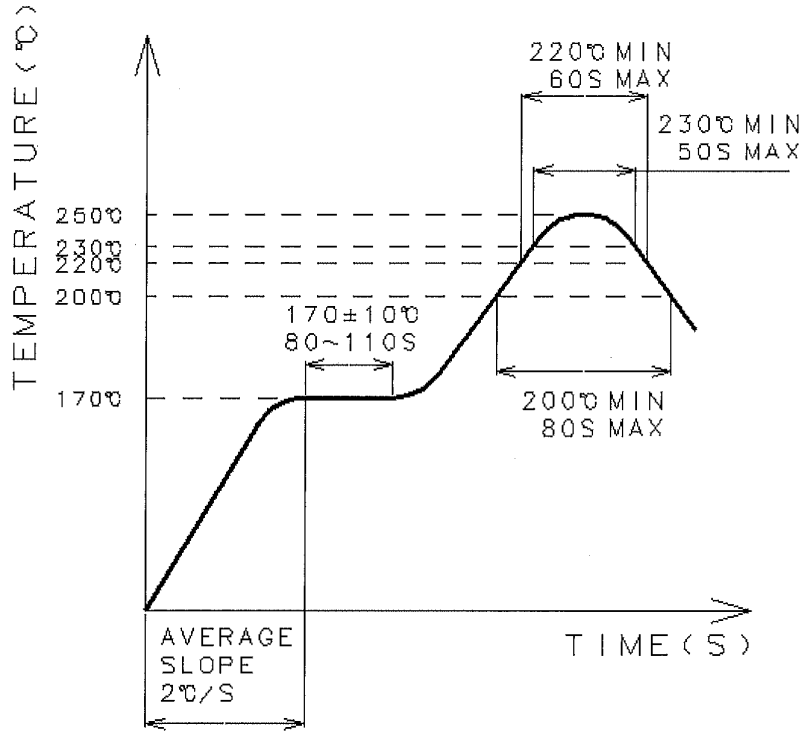
FORM No.231-1

Q2

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SPECIFICATIONS

RECOMENDED REFLOW TEMPERATURE PROFILE



REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	M.SHIMOYAMA 06.07.05	M.SHIMOYAMA 06.07.05	K.ICHIKAWA 06.07.06	A.SUZUKI 06.07.06	

Unless otherwise specified, refer to USB2.0 EIA364.

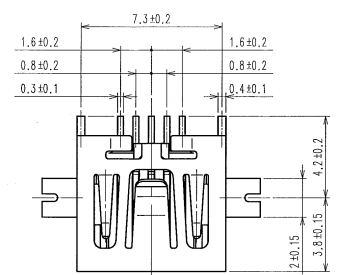
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. UX60SD-MB-5S55
CODE NO.(OLD)	DRAWING NO. ELC4-125719-00	CODE NO.	CL240-0018-1-00	2/2

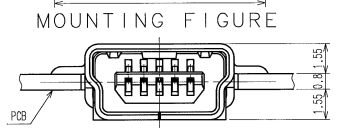
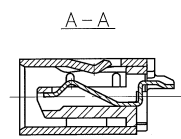
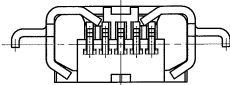
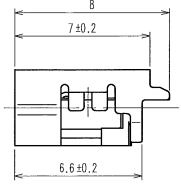
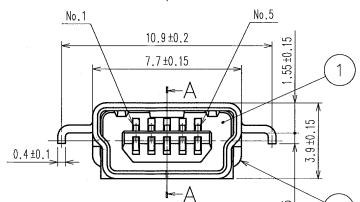
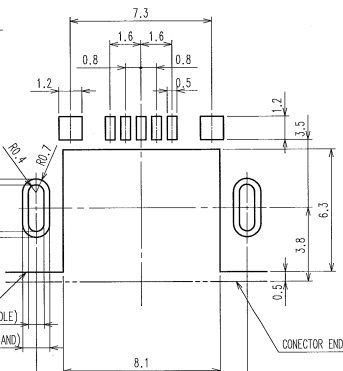
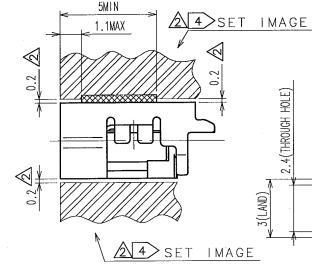
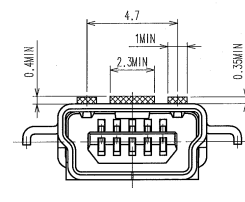
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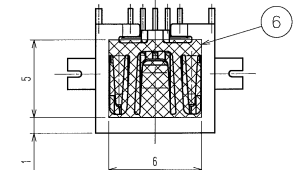
QUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	QUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	DIS-E-001569	H.K	N.W	070619					
6	DIS-E-001871	H.K	N.W	07.11.20					



RECOMMENDED CLEARANCE AREA RECOMMENDED PCB PATTERN

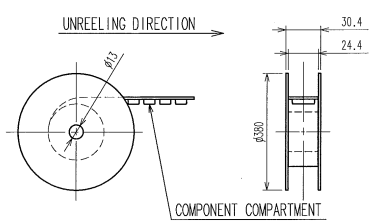
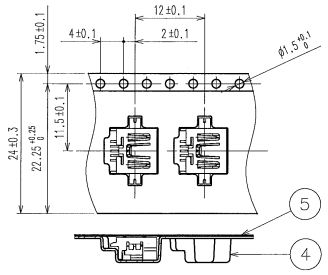


PICK & PLACE TAPE POSITION(4:1)



NOTE 1. INTERFACE DIMENSIONS CONFORM TO USB2.0 STANDARDS.
 2. PER REL: 1000 PIECES.
 3. CONTACT & METAL SHELL IS CO-PLANARITY TO BE 0.1mm MAX.
 4. THE SET CONSTRUCTION MUST BE HOLD THE CONNECTOR'S TOP AND BOTTOM FOR PREVENTING WRENCHING FORCE.

DRAWING FOR PACKING(FREE)



NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
2	PHOSPHOR BRONZE	UNDER PLATING: NICKEL 2μm MIN CONTACT AREA: GOLD 0.75μm MIN LEAD AREA: GOLD 0.03μm MIN	6	PICK & PLACE TAPE	
1	POLYAMIDE	UL94V-0 (BLACK)	5	PS	
			4	PS	
			3	PHOSPHOR BRONZE	UNDER PLATING: NICKEL 1μm MIN MOUNTING AREA: TIN 1μm MIN

CODE NO. (OLD)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	M. SHIMOYAMA	M. SHIMOYAMA	K. ICHIKAWA	A. SUZUKI	
	06.07.06	06.07.06	06.07.06	06.07.06	

SCALE	DRAWING NO.	PART NO.
5 : 1	EDC3-125719-00	UX60SD-MB-5S55 Δ
UNITS	mm	CODE NO.
	HRS HIROSE ELECTRIC CO., LTD	CL240-0018-1-00