


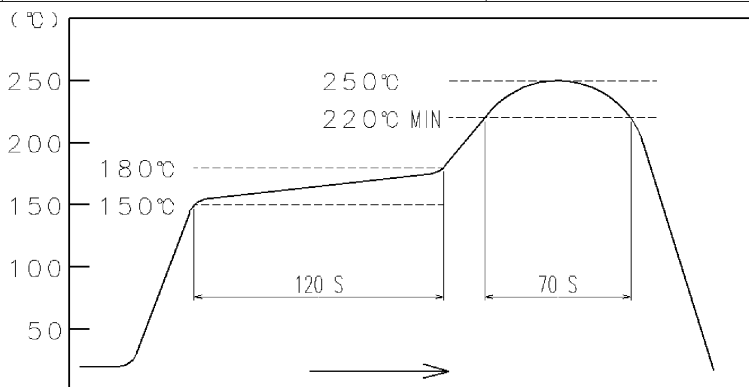


APPLICABLE STANDARD		USB2.0 SPECIFICATION AND MICRO-USB CABLE AND CONNECTORS SPECIFICATION.				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C	STORAGE TEMPERATURE RANGE	-30°C TO +85°C		
	VOLTAGE	30V AC	CURRENT	SIGNAL ONLY	1.0 A/pin	
				POWER APPLY	1.8 A/pin (PIN No.1, No.5)	
					0.5 A/pin (PIN No.2-No.4)	
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
ELECTRICAL CHARACTERISTICS						
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).			30 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.			100 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 ± 10 Hz 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 FORCE 8 N MIN.	X	-
MECHANICAL OPERATION	10000 TIMES INSERTIONS AND EXTRACTIONS. MATING SPEED - MECHANICALLY OPERATED : 500 CYCLES / h. - MANUALLY OPERATED : 200 CYCLES / h.			1) CONTACT RESISTANCE: NO INCREASE OF MORE THAN 10 mΩ 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 FOR 3 AXIAL DIRECTIONS, TOTAL 6h.			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 FOR 3 AXIAL DIRECTIONS.				X	-
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.				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 -10~65 °C, HUMIDITY 90 TO 98 %, UNDER 7 CYCLES (168 h) (MATING APPLICABLE CONNECTOR)			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
DRY HEAT	EXPOSED AT 85 ± 2 °C, 96 h. (MATING APPLICABLE CONNECTOR)			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
COLD	EXPOSED AT -40 ± 2 °C, 96 h. (MATING APPLICABLE CONNECTOR)			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER, 35 °C, FOR 48h. (LEFT UNDER UNMATED CONDITION)			NO HEAVY CORROSION.	X	-
SOLDERABILITY	SOLDERING POINT IMMERSSED IN SOLDER BATH OF 255 ± 5 °C, 5 sec. (USING TYPE R FRAX)			SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.	X	-
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
	1	DIS-E-001577		TS. SAKAI ZAWA	HY. KOBAYASHI	07.06.12
REMARK				APPROVED	A0. SUZUKI	07.05.25
HIROSE will not guarantee the performance on these specifications In case this product will be mated with the others which is not HIROSE's.				CHECKED	HY. KOBAYASHI	07.05.25
Unless otherwise specified, refer to USB2.0 or EIA 364 .				DESIGNED	TS. SAKAI ZAWA	07.05.25
				DRAWN	TS. SAKAI ZAWA	07.05.25
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-126271-00
	SPECIFICATION SHEET			PART NO.	ZX62R-B-5P	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL242-0028-8-00	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
RESISTANCE TO SOLDERING HEAT	A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES.	NO DEFORMATION OR SIGNIFICANT LOOSENESS OF CONTACTS.	X	-



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

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

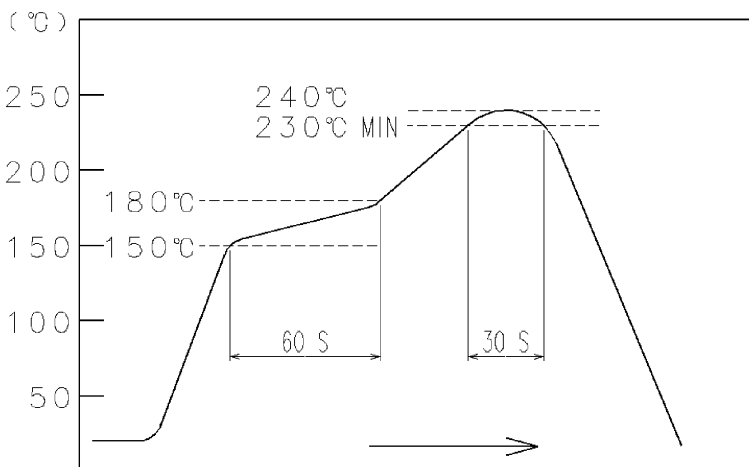
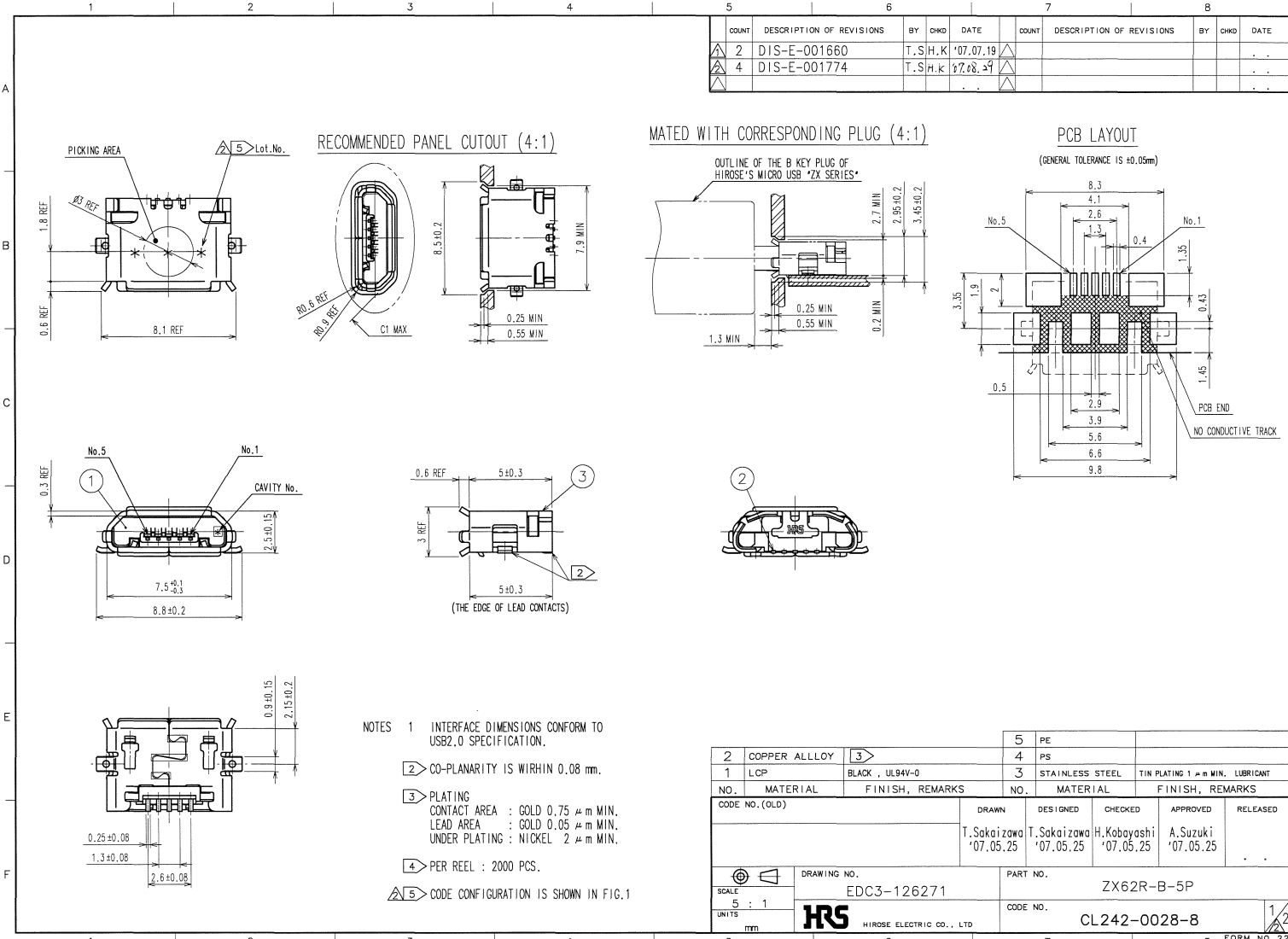


FIG - 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-126271-00	
HRS	SPECIFICATION SHEET	PART NO.	ZX62R-B-5P	
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL242-0028-8-00	2/2

TO

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
2	DIS-E-001660	T.S.H.K		'07.07.19					
4	DIS-E-001774	T.S.H.K		'07.08.29					



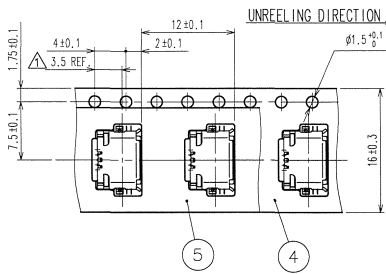
- NOTES
- 1 INTERFACE DIMENSIONS CONFORM TO USB2.0 SPECIFICATION.
 - 2 CO-PLANARITY IS WITHIN 0.08 mm.
 - 3 PLATING
 CONTACT AREA : GOLD 0.75 μm MIN.
 LEAD AREA : GOLD 0.05 μm MIN.
 UNDER PLATING : NICKEL 2 μm MIN.
 - 4 PER REEL : 2000 PCS.
 - 5 CODE CONFIGURATION IS SHOWN IN FIG.1

2	COPPER ALLOY	3	PE		
1	LCP	4	PS		
	BLACK, UL94V-0	3	STAINLESS STEEL		
			TIN PLATING 1 μm MIN. LUBRICANT		
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
CODE NO. (OLD)		DRAWN	DESIGNED	CHECKED	APPROVED
		T.Sakaizawa	T.Sakaizawa	H.Kobayashi	A.Suzuki
		'07.05.25	'07.05.25	'07.05.25	'07.05.25
		RELEASED			
DRAWING NO. EDC3-126271			PART NO. ZX62R-B-5P		
SCALE 5 : 1			CODE NO. CL242-0028-8		
UNITS mm			FORM NO. 229		
HRS HIROSE ELECTRIC CO., LTD					

TO

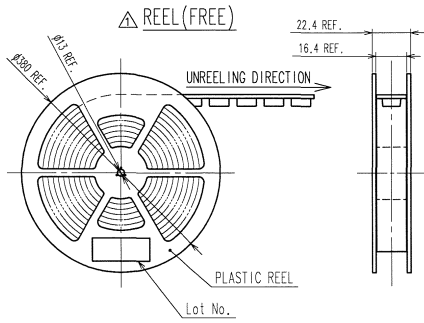
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

4 DRAWING FOR PACKING (2:1)



5 Fig.1 LOT CODE CONFIGURATION FOR 3 DIGITS

YEAR	CODE	MONTH	CODE	DAY	CODE	DAY	CODE	DAY	CODE
2007	7	Jan.	A	1	1	11	B	21	M
2008	8	Feb.	B	2	2	12	C	22	N
2009	9	Mar.	C	3	3	13	D	23	P
2010	0	Apr.	D	4	4	14	E	24	Q
2011	1	May.	E	5	5	15	F	25	R
		Jun.	F	6	6	16	G	26	S
		Jul.	G	7	7	17	H	27	T
		Aug.	H	8	8	18	J	28	U
		Sep.	I	9	9	19	K	29	V
		Oct.	J	10	A	20	L	30	W
		Nov.	K					31	X
		Dec.	L						



CODE NO. (OLD)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	T.Sakaizawa '07.05.25	T.Sakaizawa '07.05.25	H.Kobayashi '07.05.25	A.Suzuki '07.05.25	
SCALE	DRAWING NO.		PART NO.		
5 : 1	EDC3-126271		ZX62R-B-5P		
UNITS	HIROSE ELECTRIC CO., LTD		CODE NO.		
mm	HRS		CL242-0028-8		
					2