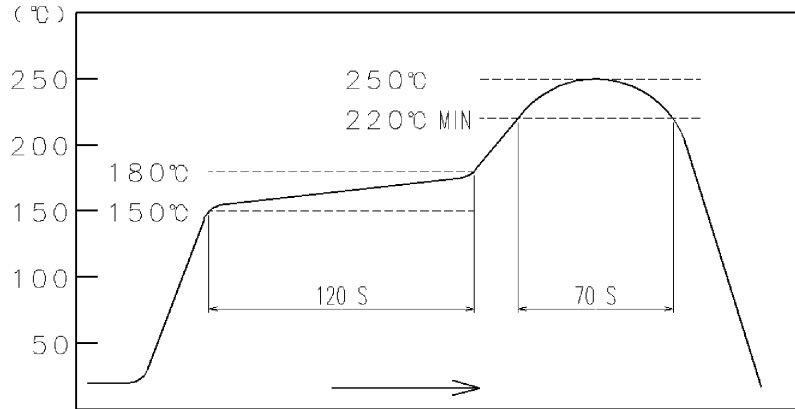


APPLICABLE STANDARD		USB2.0 SPECIFICATION AND MICRO-USB CABLE AND CONNECTORS SPECIFICATION.				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C	STORAGE TEMPERATURE RANGE	-30°C TO +85°C		
	VOLTAGE	30V AC	CURRENT	SIGNAL ONLY	1.0 A/pin	
				POWER APPLY	1.8 A/pin (PIN No.1, No.5) 0.5 A/pin (PIN No.2-No.4)	
<b>SPECIFICATIONS</b>						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.			X	X
<b>ELECTRICAL CHARACTERISTICS</b>						
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	-
<b>MECHANICAL CHARACTERISTICS</b>						
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 <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.			X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
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.		ELG4-126271-00	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	ZX62R-B-5P		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL242-0028-8-00	△	1/2

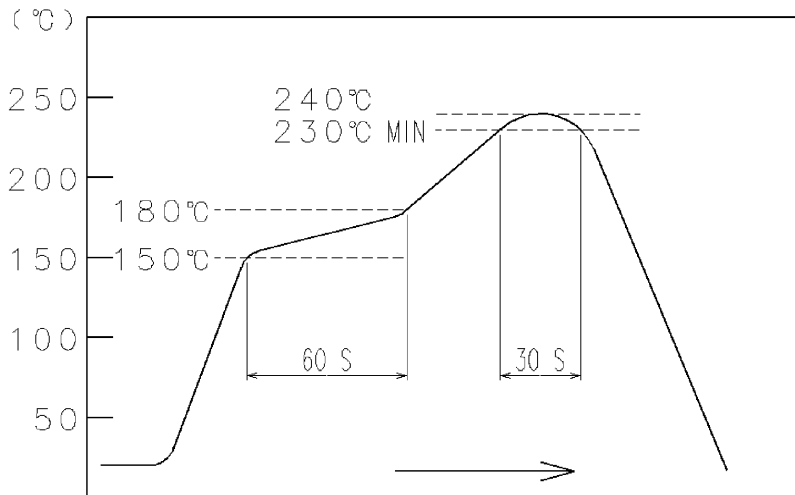
# SPECIFICATIONS

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)**

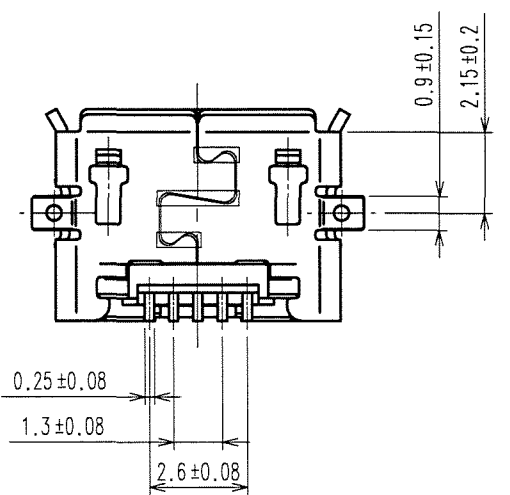
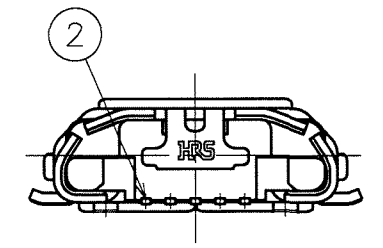
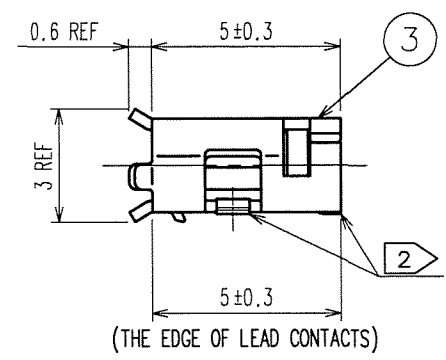
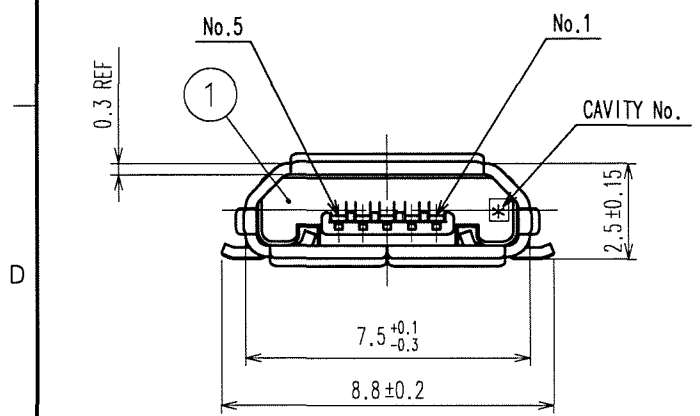
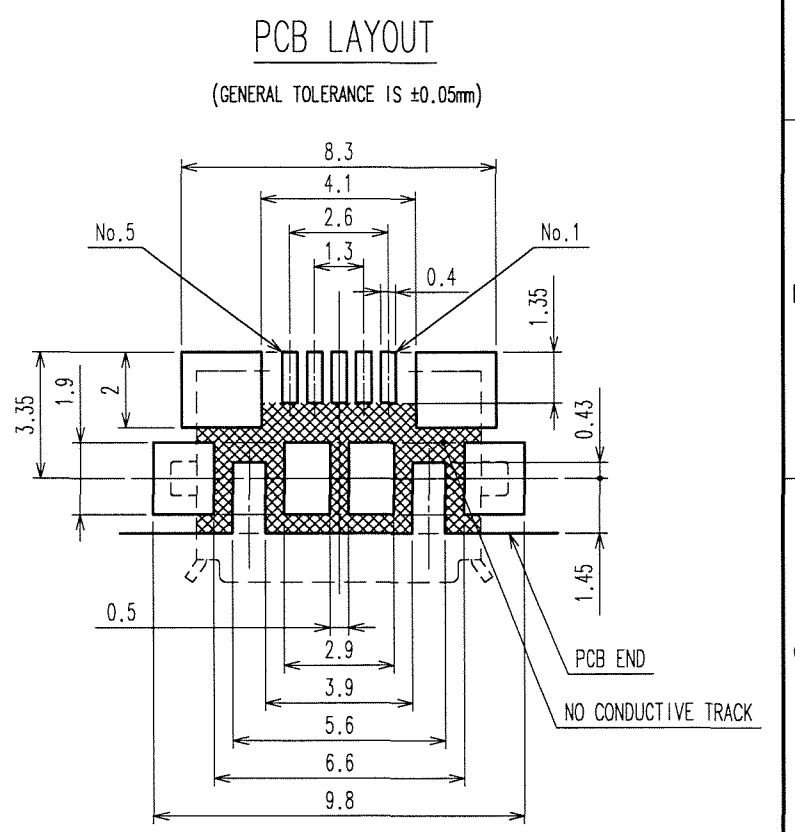
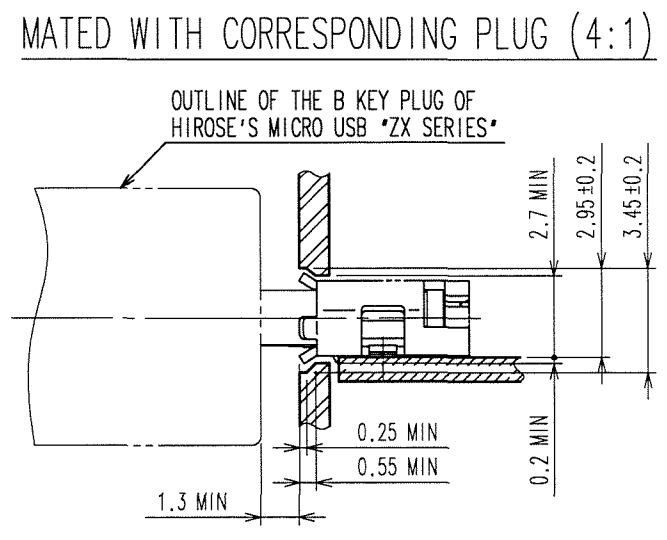
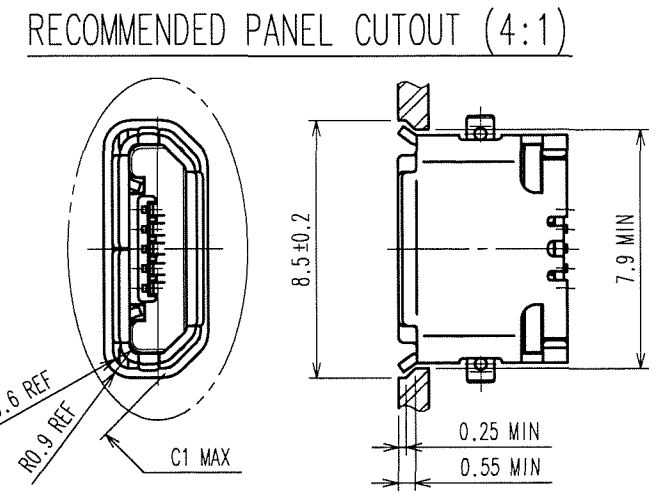
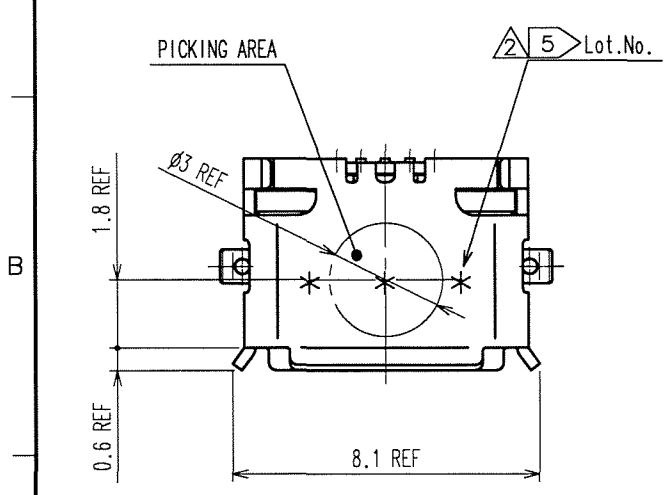
RECOMMENDED PROFILE REFERS TO FIG - 2.  
(TEMPERATURE AT SMT LEADS)



**FIG - 2 RECOMMENDED REFLOW PROFILE TEMPERATURE**

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

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					



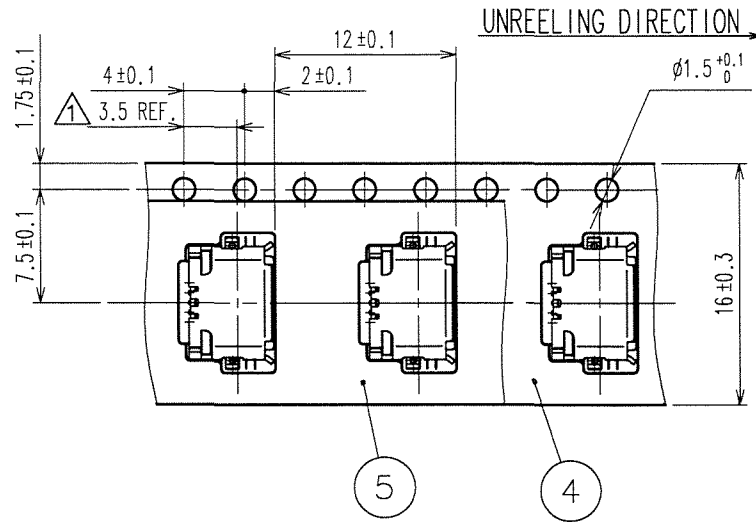
- NOTES
- 1 INTERFACE DIMENSIONS CONFORM TO USB2.0 SPECIFICATION.
  - 2 CO-PLANARITY IS WITHIN 0.08 mm.
  - 3 PLATING  
CONTACT AREA : GOLD 0.75 μm MIN.  
LEAD AREA : GOLD 0.05 μm MIN.  
UNDER PLATING : NICKEL 2 μm MIN.
  - 4 PER REEL : 2000 PCS.
  - 5 CODE CONFIGURATION IS SHOWN IN FIG.1

2	COPPER ALLOY	3	5	PE			
1	LCP	BLACK, UL94V-0	4	PS			
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS		
			3	STAINLESS STEEL	TIN PLATING 1 μm MIN. LUBRICANT		
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	DRAWING NO.		CODE NO.				
mm	HRS HIROSE ELECTRIC CO., LTD		CL242-0028-8				

TO

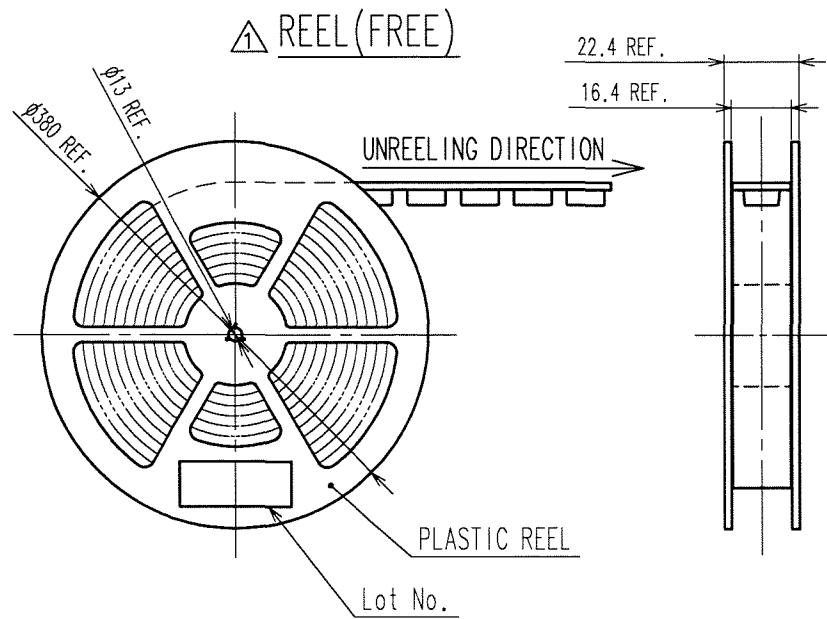
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
△					△				

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						



TO

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	HRS	CODE NO.				
mm	HIROSE ELECTRIC CO., LTD	CL242-0028-8		2		