

APPLICABLE STANDARD		USB3.0 SPECIFICATION AND MICRO-USB CABLE AND CONNECTORS SPECIFICATION.				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C	OPERATING 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-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.		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 ± 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 or - 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 (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 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS. (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: 100 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 +25 °C, 96 h. (MATING APPLICABLE CONNECTOR)		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
COLD		EXPOSED AT -40 ± 2 +25 °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	-
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	
△	3	DIS-E-003119	TS. SAKAIZAWA	KN. ICHIKAWA	10.01.28	
REMARK				APPROVED	A0. SUZUKI	09.06.16
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	KN. ICHIKAWA	09.06.16
Unless otherwise specified, refer to USB3.0 or EIA 364 .				DESIGNED	TS. SAKAIZAWA	09.06.15
				DRAWN	TS. SAKAIZAWA	09.06.15
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-127028-00	
HRS	SPECIFICATION SHEET		PART NO.	ZX360D-B-10P △		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL242-0500-1-00	△	1/2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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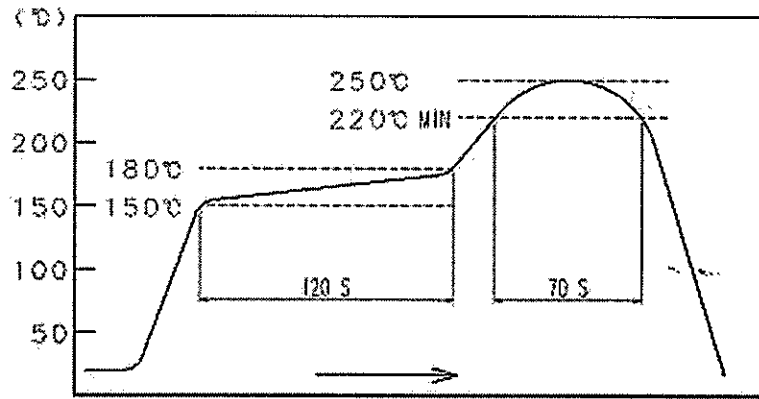


FIG - 1. RESISTANCE TO SOLDERING HEAT
(TEMPERATURE AT TOP SURFACE OF CONNECTOR)

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

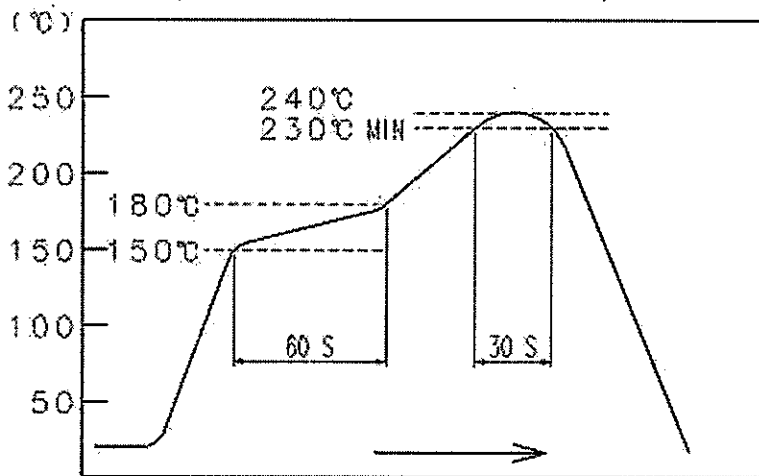
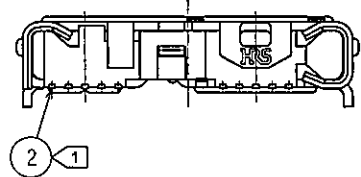
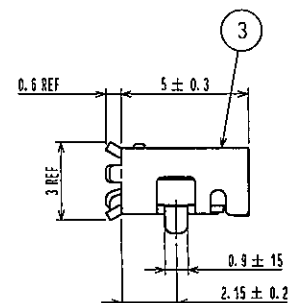
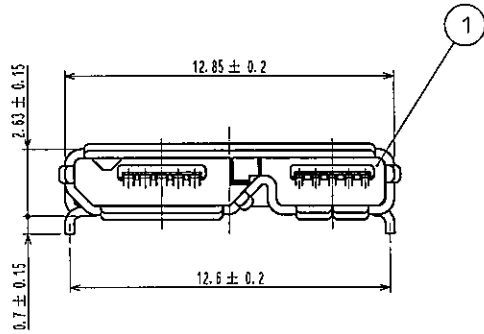
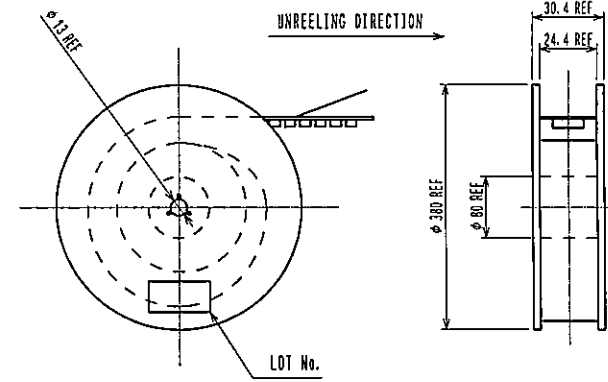
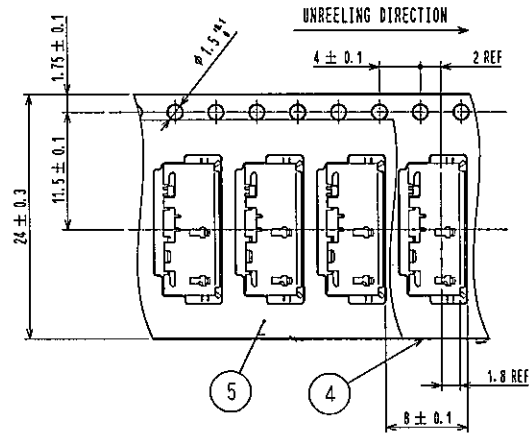
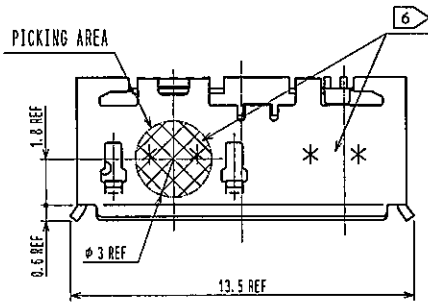


FIG - 2. RECOMMENDED REFLOW PROFILE TEMPERATURE

Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-127028-00	
HRS	SPECIFICATION SHEET	PART NO.	ZX360D-B-10P	
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL242-0500-1-00	2/2

3 DRAWING FOR PACKAGING (FREE)



6 LOT NUMBER (4 DIGITS)

YEAR	MONTH	DAY	LINE No.
YEAR CODE	MONTH CODE	DAY CODE	LINE No. CODE
2009	1	11	A
2010	2	12	B
2011	3	13	C
2012	4	14	D
2013	5	15	E
	6	16	F
	7	17	G
	8	18	H
	9	19	I
	10	20	J
		21	K
		22	L
		23	M
		24	N
		25	O
		26	P
		27	Q
		28	R
		29	S
		30	T
		31	U

注 1 CO-PLANARITY IS WITHIN 0.08 mm.

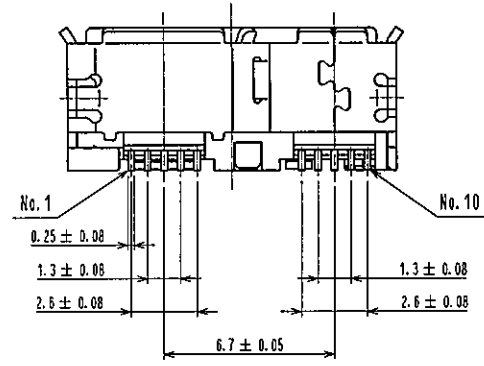
2 THE PLATING SPECIFICATION
 CONTACT AREA : PALLADIUM PLATING 0.75 μm MIN. + GOLD PLATING 0.05 μm MIN.
 MOUNTING AREA : GOLD PLATING 0.05 μm MIN.
 UNDERPLATING : NICKEL PLATING 2 μm MIN.

3 3000 PCS PER REEL.

4 . CONNECTOR OPENING CONFIGURATION SATISFIES USB3.0 SPECIFICATIONS.

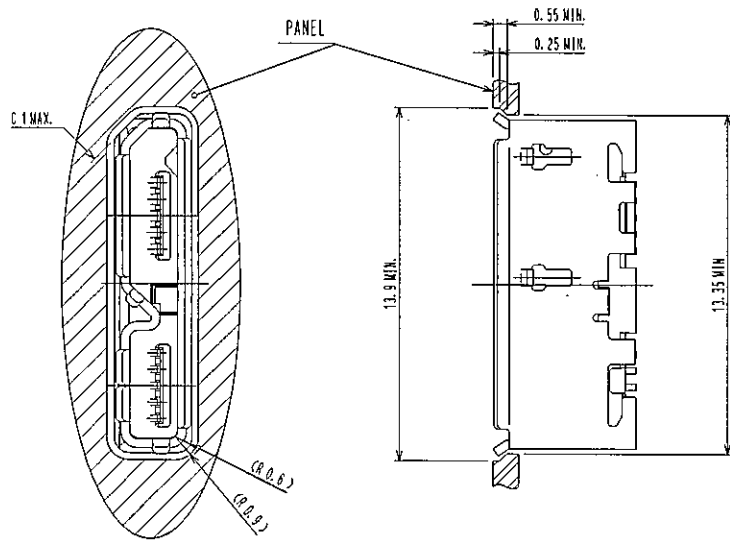
5 . SCRATCH MARK COULD BE MADE ON THE SURFACE OF REF NO. 3 DURING ASSEMBLY PROCESS, WHICH DOES NOT AFFECT THE PERFORMANCE. LEVEL OF PLATING BRIGHTNESS COULD VARY, WHICH DOSE NOT AFFECT THE PERFORMANCE.

6 INDICATE THE LOT NO. WITH 4 DIGITS AT THE SPECIFIED POSITION.

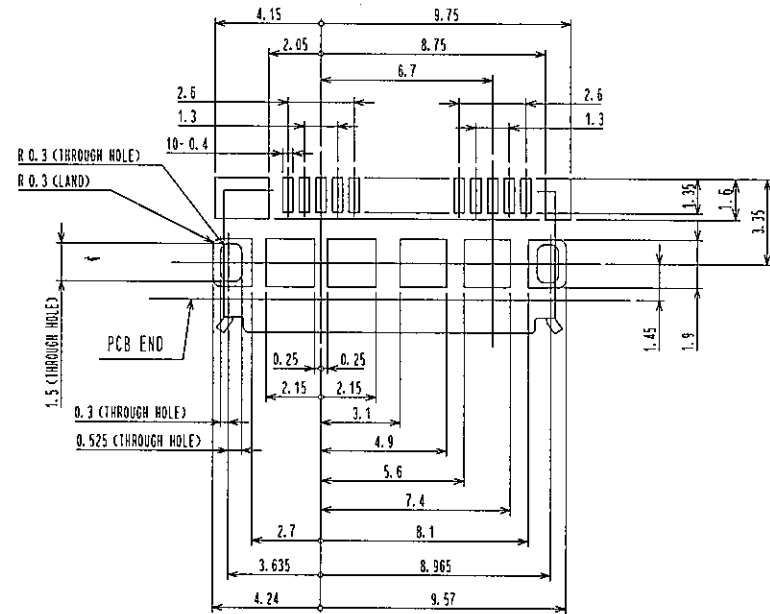


2	COPPER ALLOY	2	5	PE				
1	LCP	UL94V-0, BLACK	4	PS				
3	STAINLESS STEEL	TIN PLATING 1 μm min. LUBRICANT						
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS			
UNITS	mm	SCALE	5 : 1	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
APPROVED		A.O. SUZUKI	10.08.07	DRAWING NO.	EDC3-127028-00			
CHECKED		K.M. ICHIKAWA	10.08.07	PART NO.	ZX3600-B-10P			
DESIGNED		A.H. KODAMA	10.08.06	CODE NO.	CL242-0500-1-00			
DRAWN		T.S. SAKAIZAWA	09.06.15					

RECOMMENDED PANEL CUTOUT

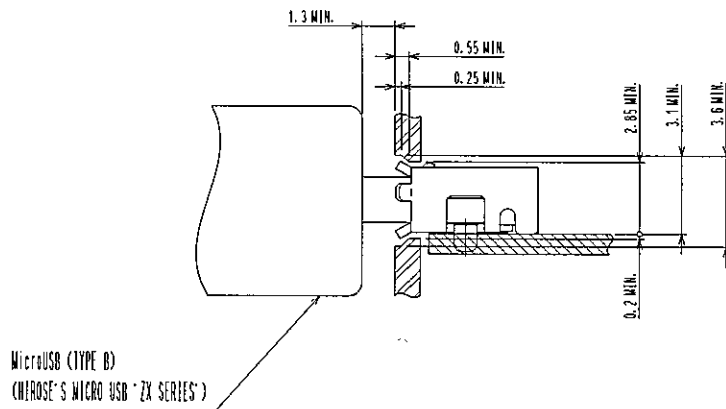


PCB LAYOUT FOR REFERENCE.



KEEP THE TOLERANCE WITHIN $\pm 0.05\text{mm}$

MATED WITH CORRESPONDING PLUG



HRS	DRAWING NO.	EDC3-127028-00
	PART NO.	ZX360D-B-10P
	CODE NO.	CL242-0500-1-00