

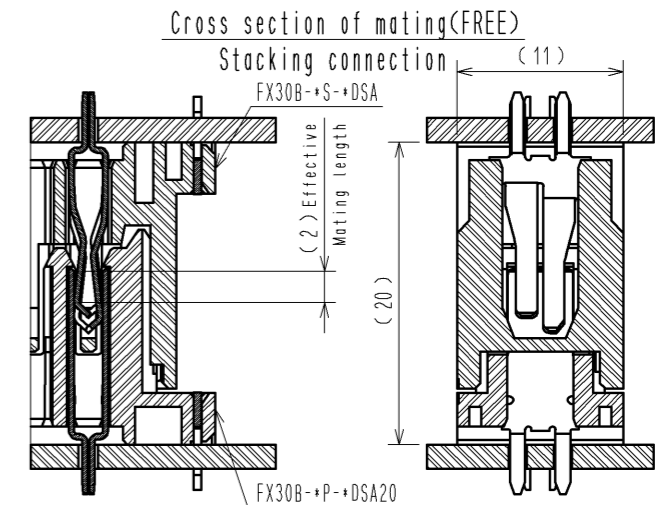
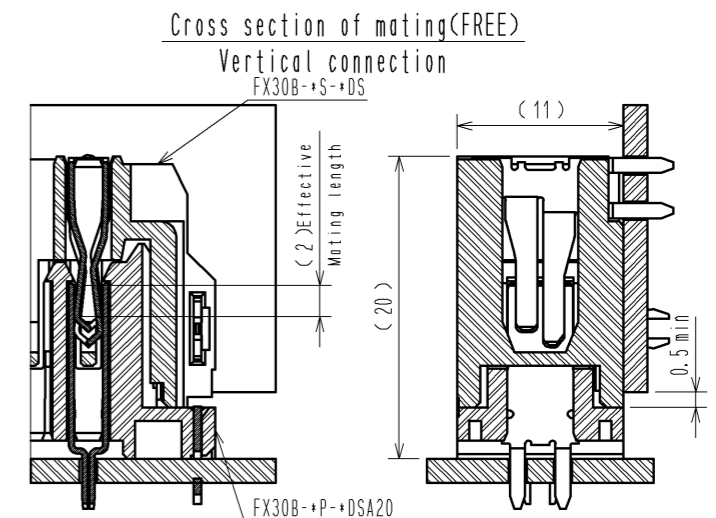
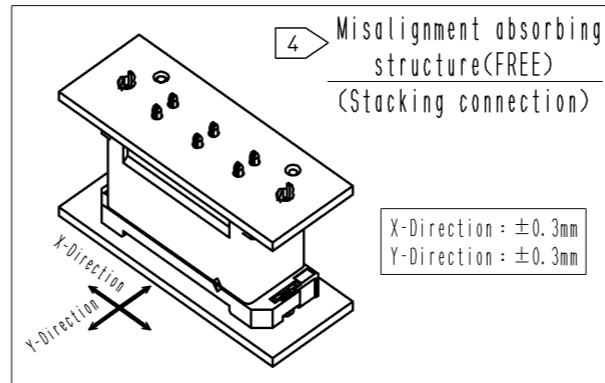
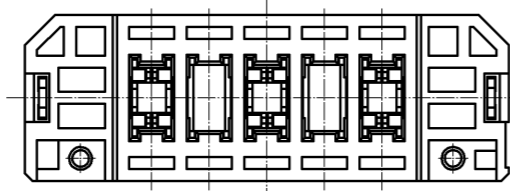
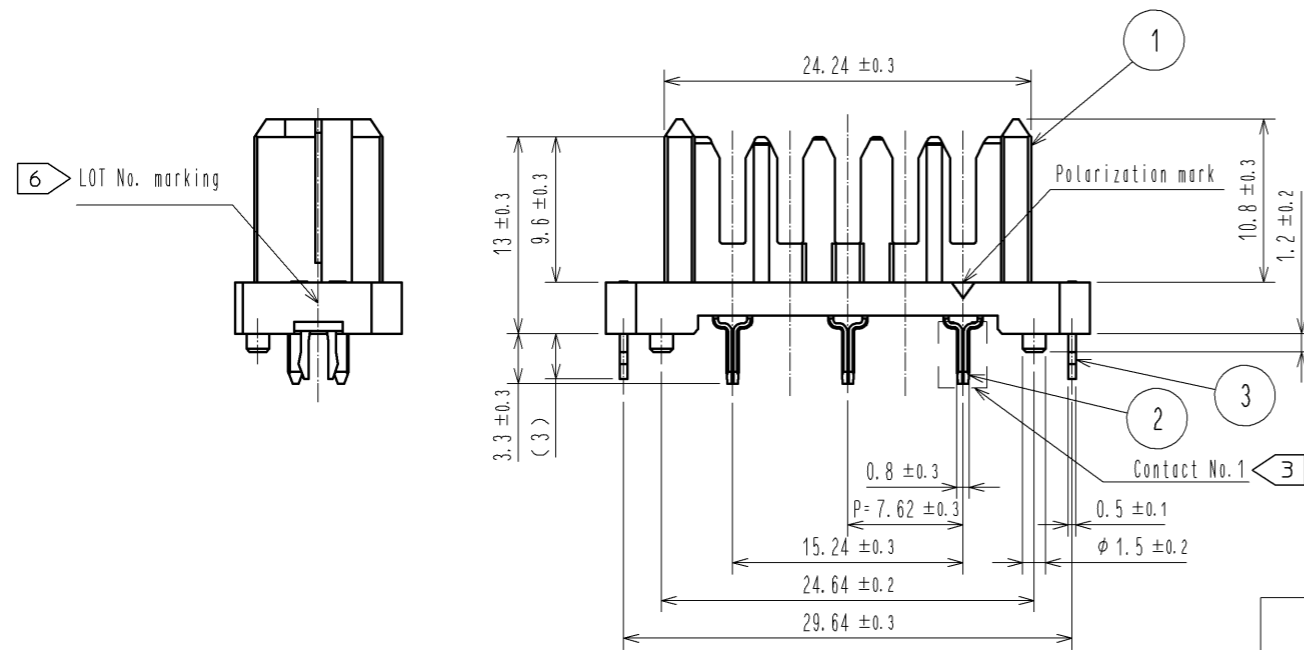
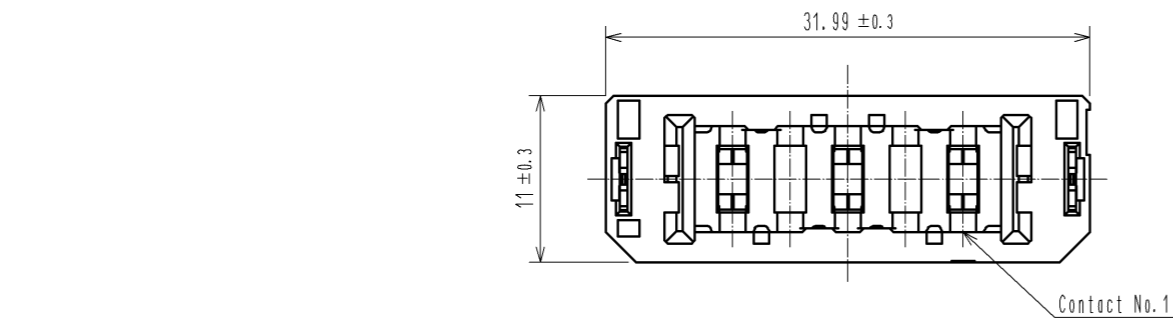
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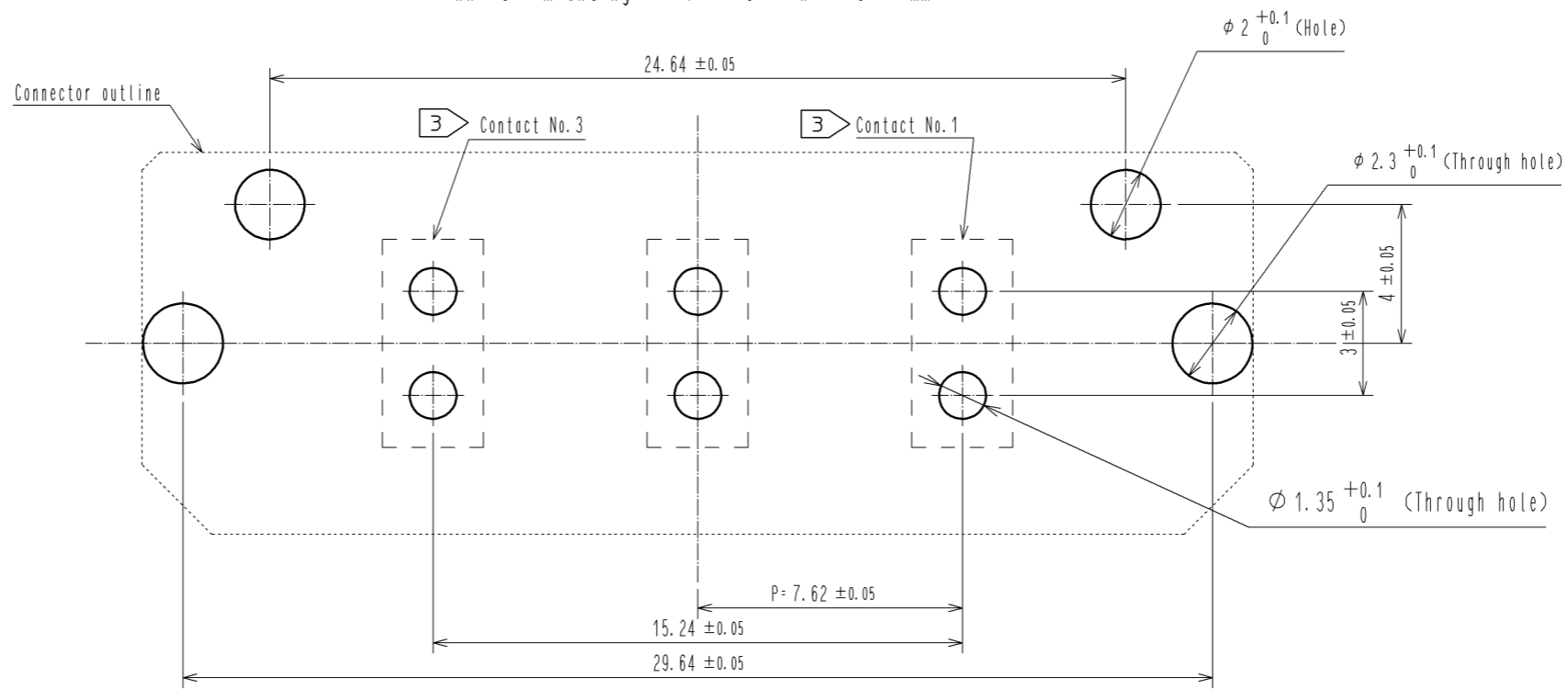
APPLICABLE STANDARD				
RATING	Operating Temperature Range	-55 °C to 105 °C <sup>(1)</sup>	Storage Temperature Range	-10 °C to 60 °C <sup>(2)</sup>
	Voltage	600 V AC/DC	Storage Humidity Range	40 % to 70 % <sup>(2)</sup>
	Current	13A	Operating Humidity Range	Relative Humidity 85% max (Not dewed)
SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General Examination	Visually and by measuring instrument.	According to drawing.	×	×
Marking	Confirmed visually.		×	×
ELECTRIC CHARACTERISTICS				
Contact Resistance	10 mA(DC or 1000Hz)	2 mΩ MAX.	×	—
Insulation Resistance	1000 V DC.	1000 MΩ MIN.	×	—
Voltage Proof	1800 V AC for 1 min.	No flashover or breakdown.	×	—
MECHANICAL CHARACTERISTICS				
Insertion and Withdrawal Forces	Measured by applicable connector.	Insertion Force: 15 N MAX. Withdrawal Force: 0.6 N MIN.	×	—
Mechanical Operation	100 times insertions and extractions.	① Contact Resistance: 5 mΩ MAX. ② No damage, crack and looseness of parts.	×	—
Vibration	Frequency 10 to 55 to 10Hz, approx 5min Single amplitude : 0.75 mm, 10 cycles for 3 axial directions.	① No electrical discontinuity of 1 μs. ② No damage, crack and looseness of parts.	×	—
Shock	490 m/s <sup>2</sup> , duration of pulse 11 ms, 3 times to both directions in 3 axial directions.		×	—
ENVIRONMENTAL CHARACTERISTICS				
Damp Heat (Steady State)	Exposed at 40±2 °C, 90 ~ 95 %, 96 ±4h.	① Contact Resistance: 5mΩ MAX. ② Insulation Resistance: 1000 MΩ MIN.	×	—
Rapid Change of Temperature	Temperature -55 → +105 °C Time 30 → 30 min. under 5 cycles. (Relocation time to chamber: within 2~3 MIN)	③ No damage, crack and looseness of parts.	×	—
Dry heat	Exposed at +105±2°C for 96±4h.		×	—
Cold	Exposed at -55±2°C for 96±4h.		×	—
Sulfur Dioxide	Exposed at 25±2°C, 75±5%RH, 25 PPM for 96h±4h.	① Contact Resistance: 5mΩ MAX. ② No defect such as corrosion which impairs the function of connector.	×	—
Resistance to Soldering Heat	Solder bath : Solder temperature 260±5°C for immersion, duration 10±1sec. Soldering irons : 380°C MAX. for 10 sec.	No deformation of case of excessive looseness of the terminal.	×	—
Solderability	Soldered at solder temperature 240±3°C for immersion, duration 3 sec.	A new uniform coating of solder shall cover a minimum of 95 % of the surface being immersed.	×	—
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
REMARKS <sup>(1)</sup> Include temperature rise caused by current-carrying. <sup>(2)</sup> "Storage" means a long-term storage state for the unused product before assembly to PCB.		APPROVED	HS. OKAWA	14. 09. 12
		CHECKED	KN. SHIBUYA	14. 09. 11
		DESIGNED	DK. AIMOTO	14. 09. 11
		DRAWN	DK. AIMOTO	14. 09. 11
Unless otherwise specified, refer to JIS-C-5402, IEC60512.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-359157-00
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	FX30B-3P-7. 62DSA20
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL570-3105-7-00
			△	1/1



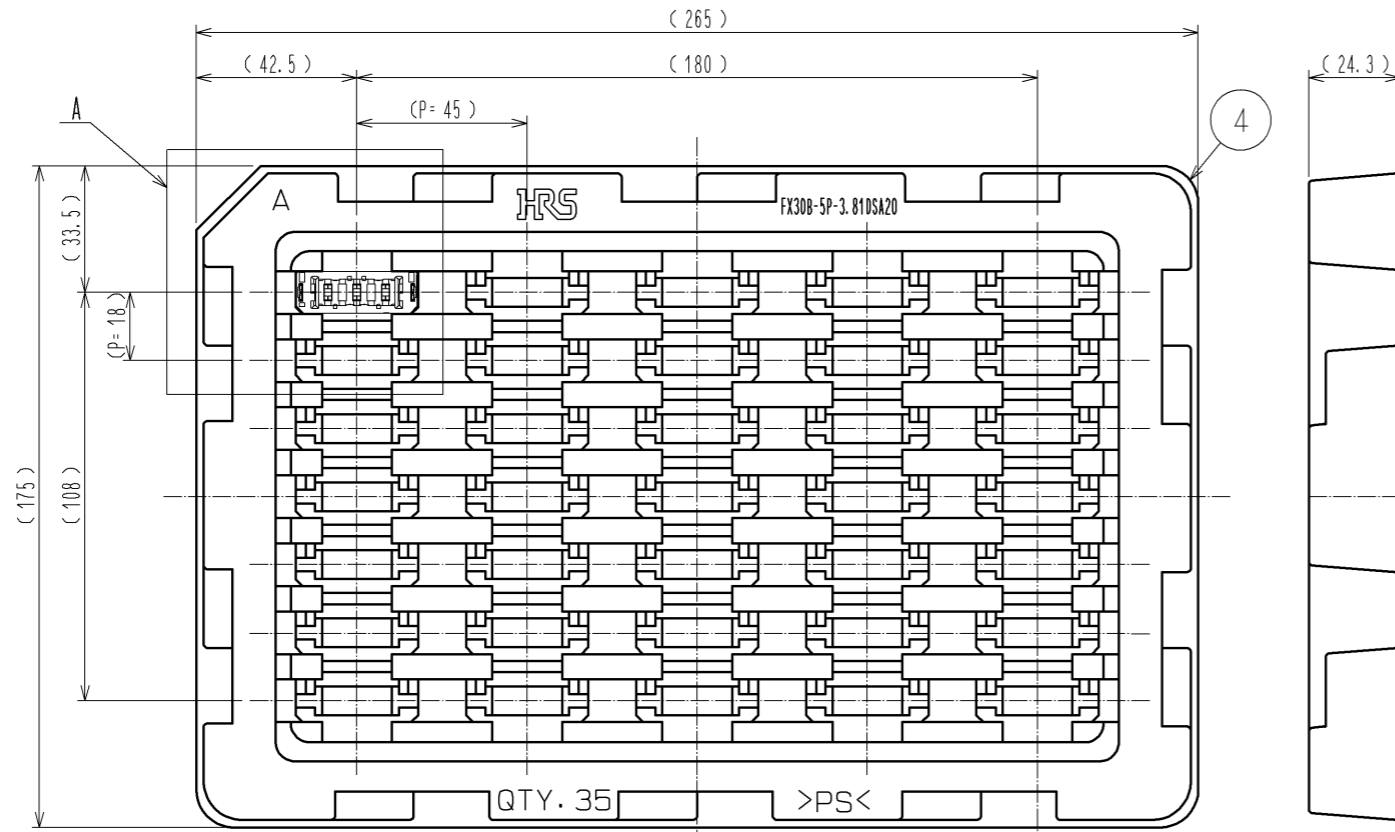
- NOTE
- 1 This product is packaged in tray. (35pcs/tray)
  - 2 Blemish and hit mark can be occurred through out the manufacturing process which dosen't affect quality level. Also, black spot could be observed on the surface of housing.
  - 3 For the contact NO., adjacent two pairs of leads placed back-to-back (4 leads in total) Compose one line.
  - 4 Misalignment absorbing range: ± 0.3mm max.
  - 5 The dimension in parentheses are for references.
  - 6 Lot NO. is indicated at either one of the position as shown.

2	Copper alloy	Contact area: Gold-plating 0.1 μm	4	Polystyrene			
		Lead area: Tin-plating 1.0 μm					
		Under plating: Nickel 1.0 μm	3	Phosphor bronze	Tin-plating 3.0 μm		
1	Polyamide	Black UL94V-0			Under plating: Nickel 1.0 μm		
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS		
UNITS mm		SCALE 2 : 1	COUNT 	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		APPROVED : HS. OKAWA	14. 09. 12	DRAWING NO.	EDC3-359157-00		
		CHECED : KN. SHIBUYA	14. 09. 12	PART NO.	FX30B-3P-7. 62DSA20		
		DESIGNED : DK. AIMOTO	14. 09. 12	CODE NO.	CL570-3105-7-00		
		DRAWN : DK. AIMOTO	14. 09. 12		1/2		

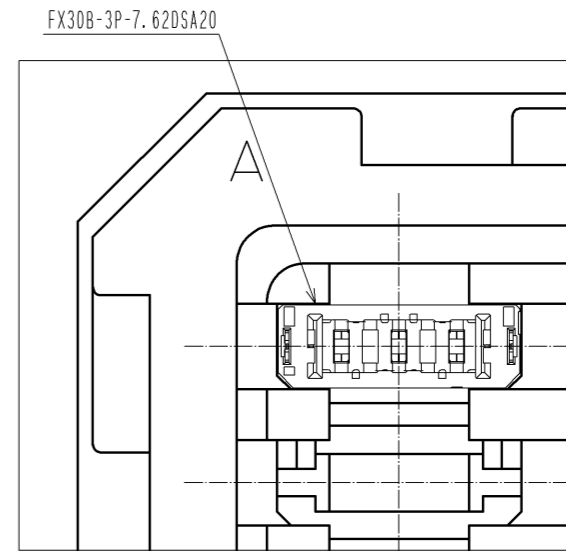
Recommended hole pattern dimension of PCB(5:1)  
(Connector mounting side, PCB thickness: t=1.6mm)



1 Drawing for packaging(1:2)



A(1:1)



<b>HRS</b>	DRAWING NO.	EDC3-359157-00	
	PART NO.	FX30B-3P-7.62DSA20	
	CODE NO.	CL570-3105-7-00	