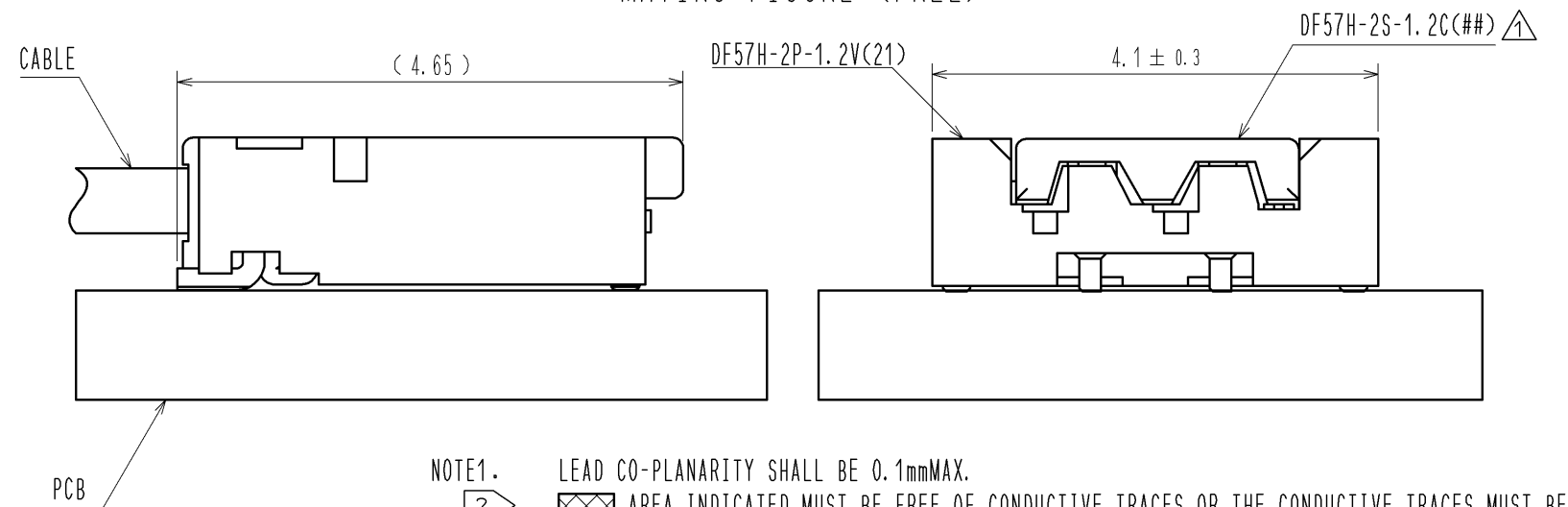
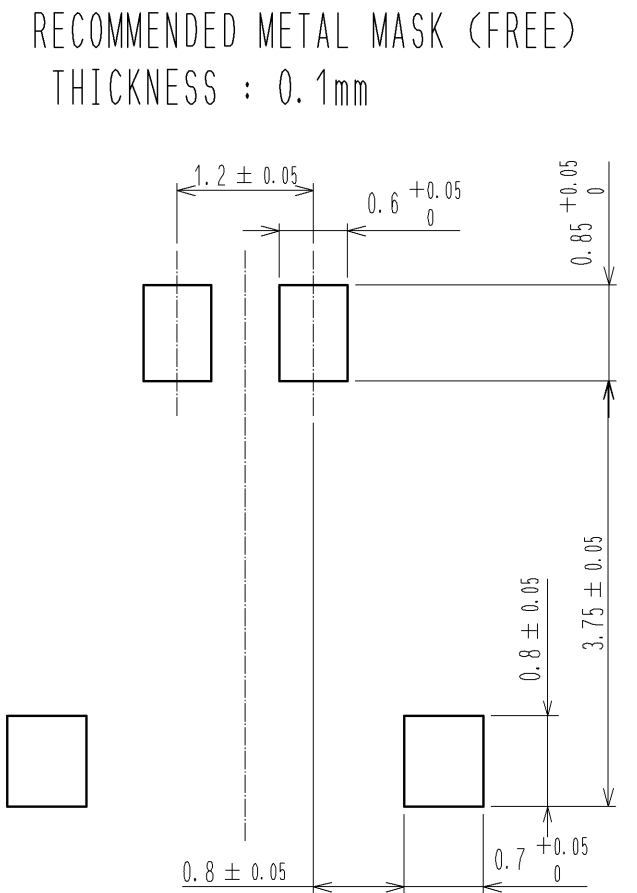
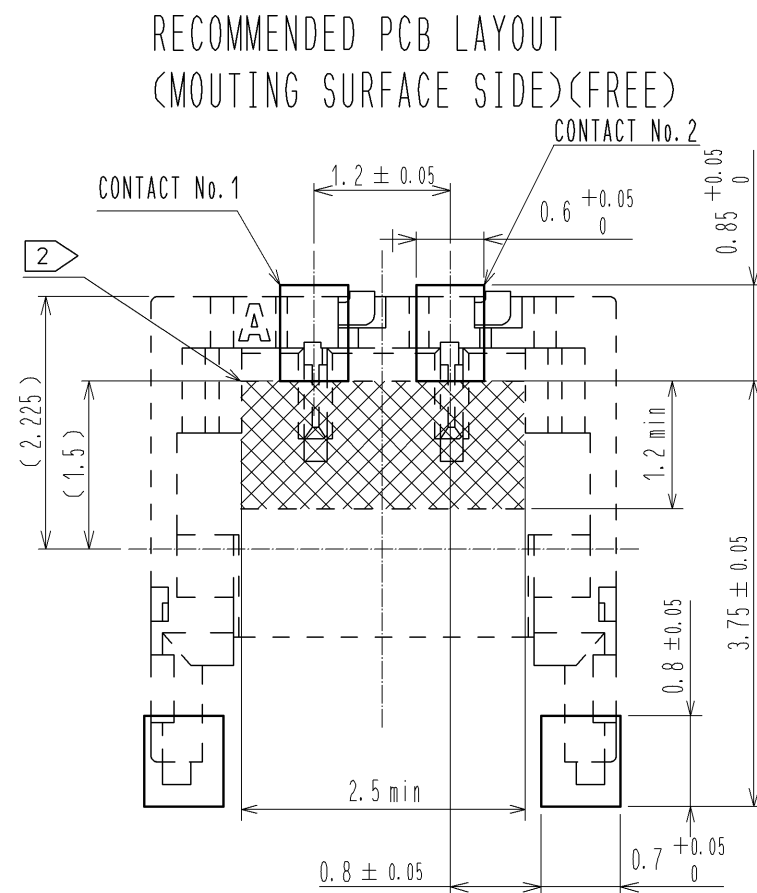
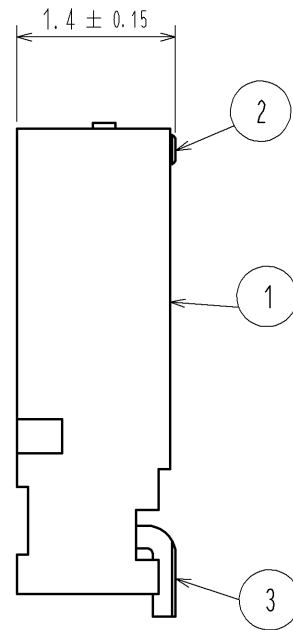
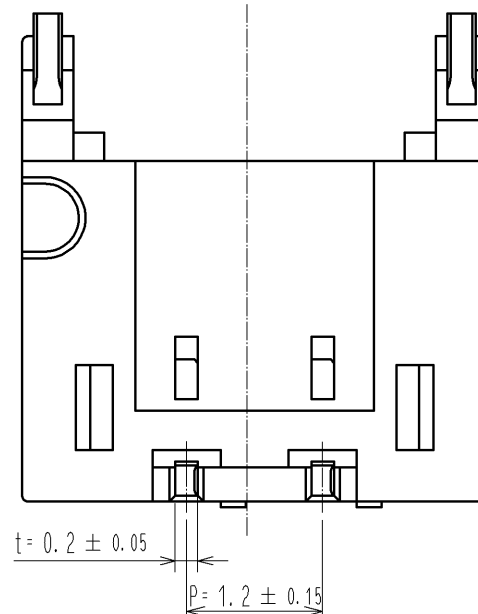
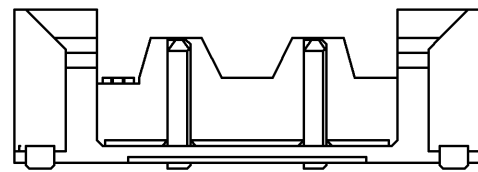
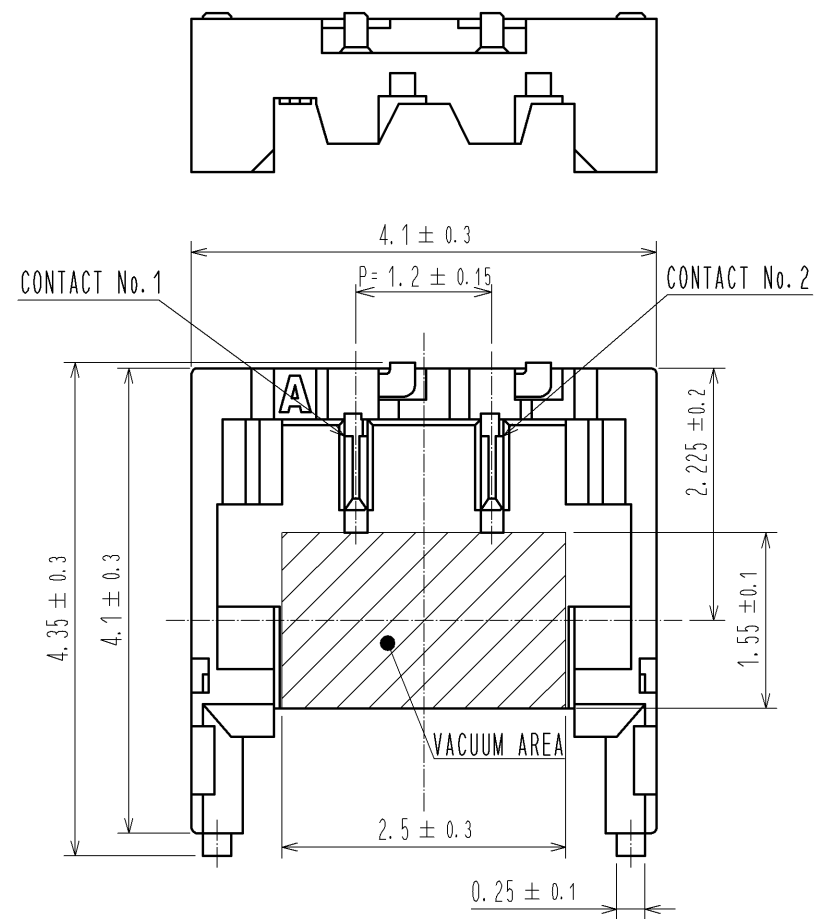
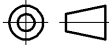






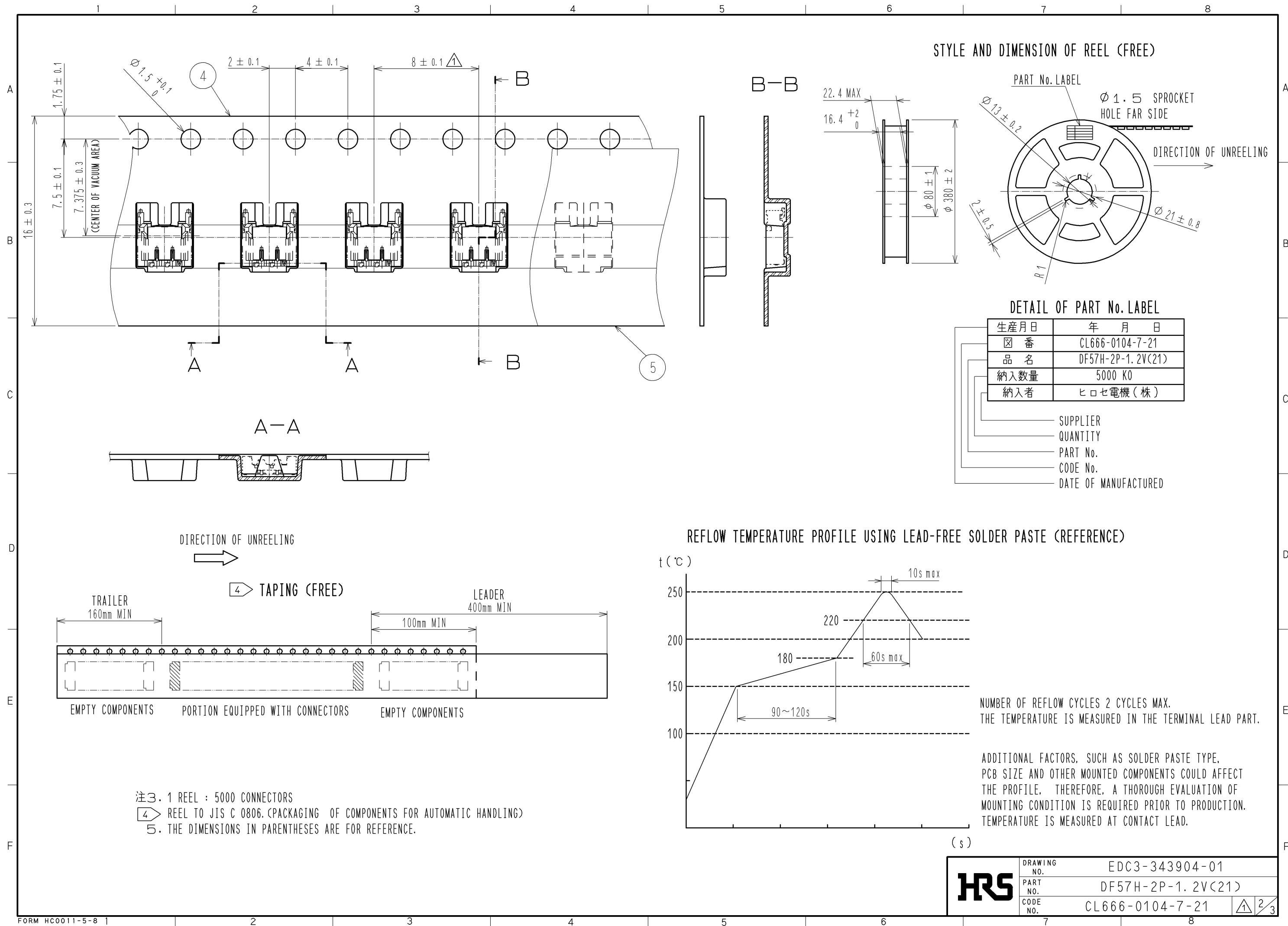
APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)	
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)	
	APPLICABLE CONNECTOR	DF57H-2S-1.2C(##)	CURRENT	AWG 28 : 2.5 A AWG 30 : 1.5 A	
	VOLTAGE	50 V AC/DC		AWG 32 : 1.0 A AWG 34 : 0.8 A	
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
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20mV MAX, 1mA (DC or 1000Hz).		10 mΩ MAX.	X —
INSULATION RESISTANCE		100 V DC.		100 MΩ MIN.	X —
VOLTAGE PROOF		500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X —
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTION AND EXTRACTION.		①CONTACT RESISTANCE: 20 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
CONTACT INSERTION AND EXTRACTION FORCES		IT TAKES OUT AND INSERTS WITH A CONFORMITY CONNECTOR.		①INSERTION FORCE : 20.0N MAX. ②EXTRACTION FORCE: 0.9N MIN.	X —
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X —
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2°C , 90 TO 95 % , 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)		①CONTACT RESISTANCE: 20 mΩ MAX. ②INSULATION RESISTANCE: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55°C → +85°C TIME 30min → 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2~3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)		①CONTACT RESISTANCE: 20 mΩ MAX. ②INSULATION RESISTANCE: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING «REFLOW TIME» NUMBER OF REFLOW CYCLES : 2 CYCLES MAX. DURATION ABOVE 220 °C, 60 sec. MAX. PEAK TEMPERATURE: 250°C 10 sec. MAX. «PRE-HEAT TIME» PRE-HEAT TEMPERATURE (MIN) : 150 °C PRE-HEAT TEMPERATURE (MAX) : 180 °C PRE-HEAT TIME (MIN) : 90 sec. PRE-HEAT TIME (MAX) : 120 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 350±10°C, SOLDERING TIME : 3sec. NO STRENGTH ON CONTACT.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X —
SOLDERABILITY		SOLDERING TEMPERATURE : 245°C DURATION OF IMMERSION : SOLDERING, FOR 5 sec.		NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	X —
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2:NO CONDENSING NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	0				
REMARKS			APPROVED	KI. AKIYAMA	12. 03. 19
			CHECKED	HK. UMEHARA	12. 03. 19
Unless otherwise specified, refer to JIS C 5402.			DESIGNED	TS. KUMAZAWA	12. 03. 19
			DRAWN	TS. KUMAZAWA	12. 03. 19
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-343904-01
HRS	SPECIFICATION SHEET		PART NO.	DF57H-2P-1. 2V (21)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL666-0104-7-21	△ 1/1



NOTE1. LEAD CO-PLANARITY SHALL BE 0.1mmMAX.

2  AREA INDICATED MUST BE FREE OF CONDUCTIVE TRACES OR THE CONDUCTIVE TRACES MUST BE COVERED BY RESIST FILM.

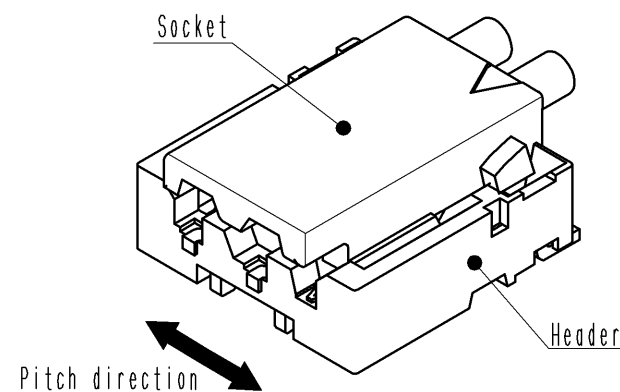
3	BRASS	SURFACE:TIN PLATING 1 μ mMIN UNDER PLATING: NICKEL PLATING 0.5 μ mMIN							
2	BRASS	SURFACE:TIN PLATING 1 μ mMIN UNDER PLATING: NICKEL PLATING 0.5 μ mMIN	6	PS	REEL , BLACK				
			5	POLYESTER	CLEAR (COVER TAPE)				
1	LCP	UL94V-0, BLACK	4	PS	CLEAR (EMBOSSED CARRIER TAPE)				
NO.	MATERIAL	FINISH , REMARKS		NO.	MATERIAL	FINISH , REMARKS			
UNITS mm		SCALE FREE		COUNT 2	DESCRIPTION OF REVISIONS DIS-H-007104		DESIGNED TS. KUMAZAWA	CHECKED HK. UMEHARA	DATE 12. 08. 06
 HIROSE ELECTRIC CO., LTD.		APPROVED : KI. AKIYAMA		12. 03. 19	DRAWING NO.		EDC3-343904-01		
		CHECKED : HK. UMEHARA		12. 03. 19	PART NO.		DF57H-2P-1. 2V(21)		
		DESIGNED : TS. KUMAZAWA		12. 03. 19	CODE NO.		CL666-0104-7-21		
		DRAWN : TS. KUMAZAWA		12. 03. 19					
									



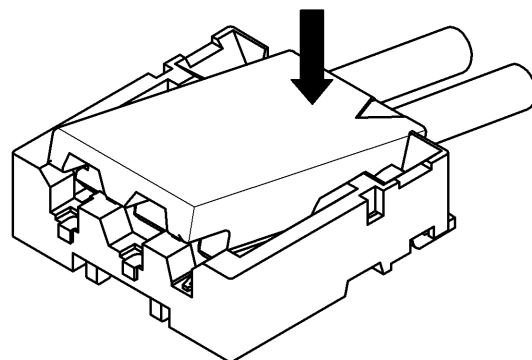
DF57 Series Mating / Unmating Operation Instruction

Mating

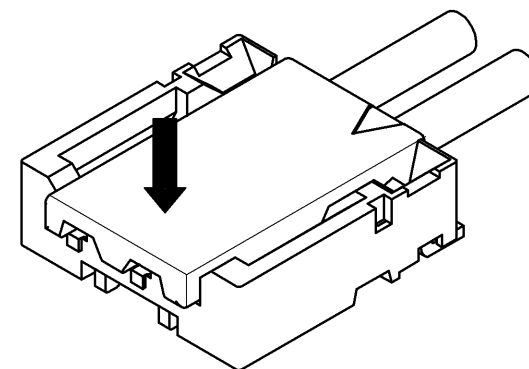
① By positioning the convexity of the socket sides to the header concavity, align the centers of the socket and the header in pitch direction.



② Slightly press the socket down at cable side to tilted angle.

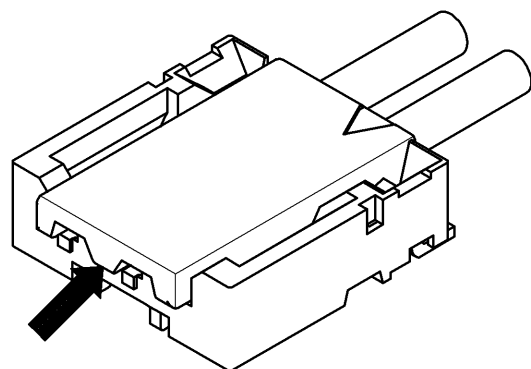


③ Press down at the lever side with stabilizing the cable side to insert. Mating completes.

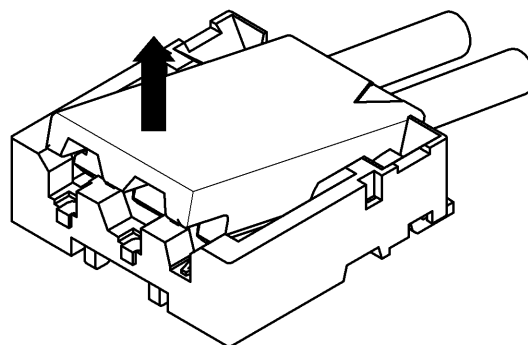


Unmating

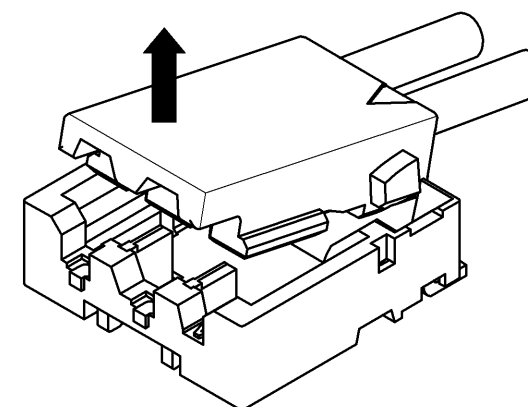
① Hook the lever with finger nail.



② Lift up to the upper direction and friction lock is released.



③ Lift up to the upper direction and positive lock is released. Removal completes.


HRS

DRAWING NO.	EDC3-343904-01
PART NO.	DF57H-2P-1.2V(21)
CODE NO.	CL666-0104-7-21

3	3
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