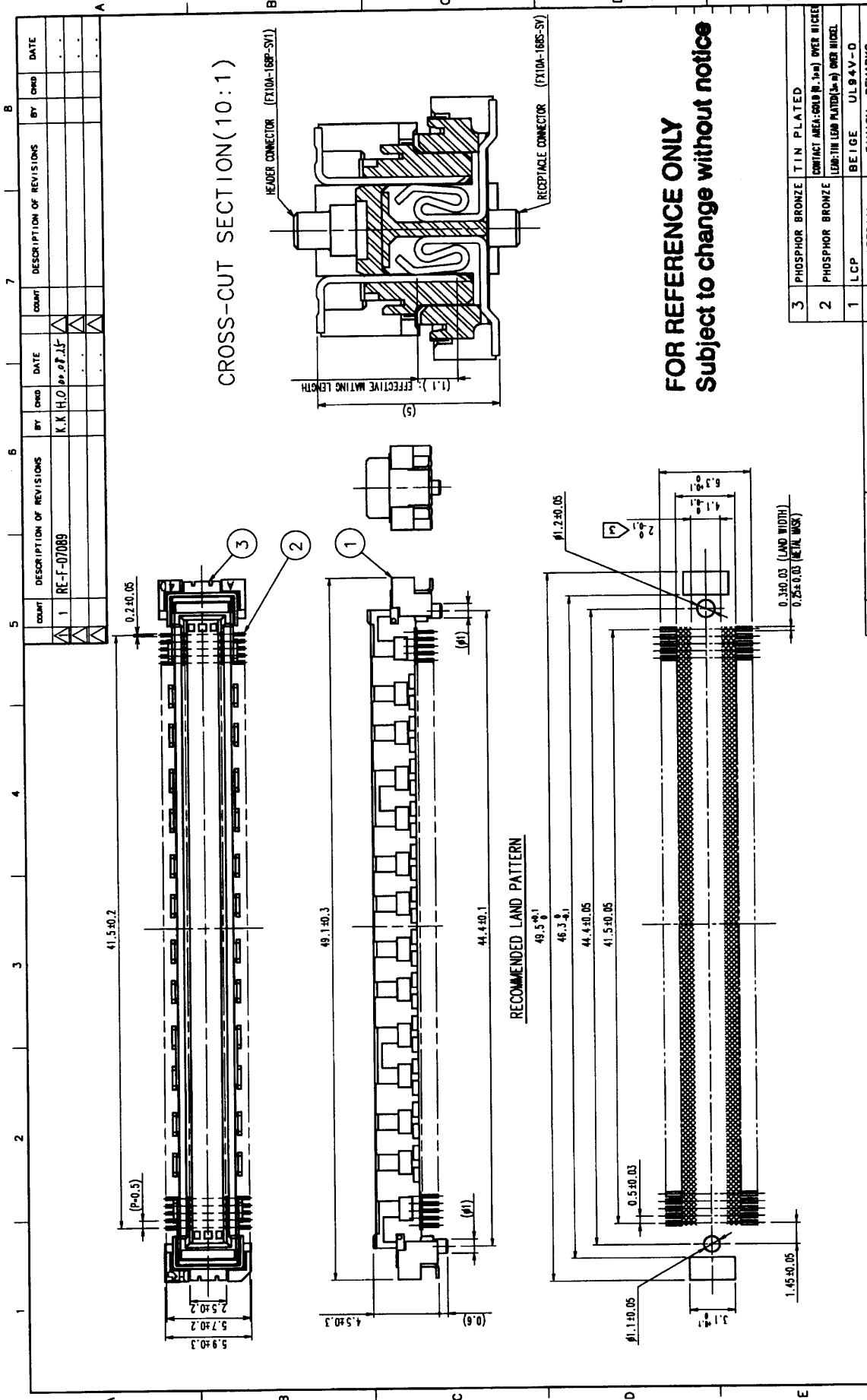


△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
APPLICATION STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C				STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C				
	VOLTAGE	AC 50 V				OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)				
	CURRENT	0.3 A									
SPECIFICATIONS											
ITEM		TEST METHOD			REQUIREMENT			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).			60 mΩ MAX.			X	X		
INSULATION RESISTANCE		100 V DC.			100 MΩ MIN.			X	-		
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X	X		
MECHANICAL CHARACTERISTICS											
INSERTION AND WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 100.8 N MAX. WITHDRAWAL FORCE: 4.2 N MIN.			X	-		
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTION.			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-		
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm. - m/s ² WITH 10 CYCLES IN 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-		
SHOCK		490 m/s ² DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.						X	-		
ENVIRONMENTAL CHARACTERISTICS											
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C. 90~95 %. 96 h.			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.			X	-		
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→-15→35→ 85→15→35°C TIME 30→ 2→ 3→ 30→ 2→ 3 min. UNDER 5 CYCLES.			3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-		
DRY HEAT		EXPOSED AT 85 °C. 96 h.			1) CONTACT RESISTANCE: 70 mΩ MAX.			X	-		
COLD		EXPOSED AT -55 °C. 96 h.			2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			X	-		
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.			X	-		
RESISTANCE TO SOLDERING HEAT		<p>REFLOW : RECOMMENDED TEMPERATURE PROFILE 240°C 5 S MAX 200°C 150°C 160°C 25°C (60 S) 60~90 S (30 S) (20~30 S)</p>			NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.			X	-		
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.			NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.			X	-		
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED			
FOR REFERENCE ONLY Subject to change without notice UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.				J. Takada	J. Takada	M. Takada	T. Takada				
				00.01.13	00.01.13	00.01.13	00.01.14				
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST											
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. FX10A - 168P - SV1			
CODE NO.(OLD)			DRAWING NO.			CODE NO.			1		
CL			ELC4 - 151971			CL 570 - 0144 - 2			1		



CROSS-CUT SECTION(10:1)

FOR REFERENCE ONLY
 Subject to change without notice

RECOMMENDED LAND PATTERN

- NOTES
- 1 SMT LEAD-COPLANARITY: 0.1 MAX.
 - 2 THIS PRODUCT HAS NO POLARITY TO MOUNT ON THE RECOMMENDED LAND PATTERN.
 - 3 NO PATTERN SHALL BE DESIGNED IN THIS AREA, TO PREVENT CONTACTS FROM BEING TOUCHED WITH PATTERN.

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
3	PHOSPHOR BRONZE	TIN PLATED			
2	PHOSPHOR BRONZE	CONTACT AREA: GOLD (N. 3μ) OVER NICKEL (18μ); TIN LEAD PLATED (2μ) OVER NICKEL			
1	LCP	BEIGE		UL94V-0	

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
3	PHOSPHOR BRONZE	TIN PLATED			
2	PHOSPHOR BRONZE	CONTACT AREA: GOLD (N. 3μ) OVER NICKEL (18μ); TIN LEAD PLATED (2μ) OVER NICKEL			
1	LCP	BEIGE		UL94V-0	

DESIGNED	T. TAKADA	99.10.18	CHECKED	M. ISHIDA	99.10.18	APPROVED	Y. YOSHIMURA	99.10.18
DRAWN	T. TAKADA	99.10.18	REVISIONS			 4.26.01 USA		
DRAWING NO. EDC3-151971			PART NO. FX10A-168P-SV1			CODE NO. CL570-0144-2		
SCALE 4:1			UNITS mm			1/1		

HRS HIROSE ELECTRIC CO., LTD

TO
 PCK