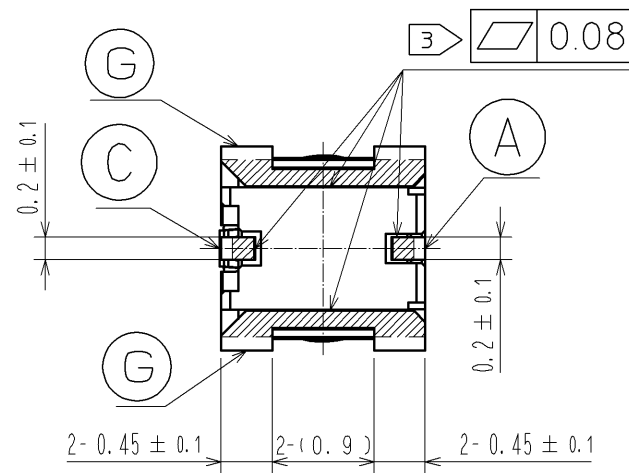


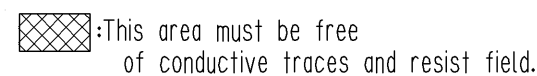
APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C		STORAGE TEMPERATURE RANGE	-30°C TO +70°C	
	POWER	2 W		CHARACTERISTIC IMPEDANCE	50 Ω	
	FREQUENCY RANGE	DC TO 11000 MHz		OPERATING HUMIDITY RANGE	TO 90% (NO CONDENSATION)	
	PECULIARITY	—		APPLICABLE CABLE	—	
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	×
MARKING		CONFIRMED VISUALLY.			×	×
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT		100 mΩ MAX.	×	×
		OUTER CONTACT		100 mΩ MAX.		
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.			×	—
VOLTAGE PROOF	100 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.			×	×
V.S.W.R.	※1	FREQUENCY DC TO 3.0 GHz	△	1.2 MAX	×	—
		FREQUENCY 3.0 TO 6.0 GHz	△	1.3 MAX		
		FREQUENCY 6.0 TO 11.0 GHz		1.4 MAX △		
INSERTION LOSS	※1	FREQUENCY DC TO 3.0 GHz	△	0.10dB MAX. △	×	—
		FREQUENCY 3.0 TO 6.0 GHz	△	0.20dB MAX.		
		FREQUENCY 6.0 TO 11.0 GHz		0.30dB MAX. △		
ISOLATION	※2	FREQUENCY DC TO 3.0 GHz		25 dB MIN. △	×	—
		FREQUENCY 3.0 TO 6.0 GHz		20 dB MIN. △		
		FREQUENCY 6.0 TO 11.0 GHz		12 dB MIN.		
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX.		×	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm OR 98 m/s ² 1 octave/min , 10 CYCLES FOR EACH 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX.		×	—
SHOCK	ACCELERATION : 490 m/s ² DURATION : 11 ms , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH		3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
2	9	DIS-J-000972	TS. NAKAGAWA	TY. OZAKI	09.05.09	
REMARK				APPROVED	K.J. KAWAMURA	08.11.08
※1. This spec is only for receptacle. Refer to the spec sheet of each plug regarding the mated condition.				CHECKED	TY. OZAKI	08.11.07
2. This spec is adapted for any plug.				DESIGNED	TS. NAKAGAWA	08.11.07
Unless otherwise specified, refer to IEC-60512.				DRAWN	TS. NAKAGAWA	08.11.07
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test			DRAWING NO.		ELC4-180771-00	
SPECIFICATION SHEET			PART NO.	MS-180		
HIROSE ELECTRIC CO., LTD.			CODE NO.	CL358-0265-7-00	△	1/2

SPECIFICATIONS						
ITEM	TEST METHOD	REQUIREMENTS	QT	AT		
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5-35 → +85 → 5-35 °C TIME 30 → 2-3 → 30 → 2-3 min. UNDER 100 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—		
DRY HEAT	EXPOSED AT +85°C, 96h.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—		
COLD	EXPOSED AT -55°C, 96h.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—		
DAMP HEAT (STEADY STATE)	EXPOSED AT +40°C, 90~95%, 96h. THEN LEAVE IT FOR ONE HOUR OR TWO IN THE AMBIENT TEMPERATURE AND HUMIDITY.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—		
RESISTANCE TO SOLDER HEAT	SOLDER TEMPERATURE 260°C FOR IMMERSION DURATION 10 sec .	1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test		DRAWING NO.		ELC4-180771-00		
HRS	SPECIFICATION SHEET		PART NO.		MS-180	
	HIROSE ELECTRIC CO., LTD.		CODE NO		CL358-0265-7-00	 2/2

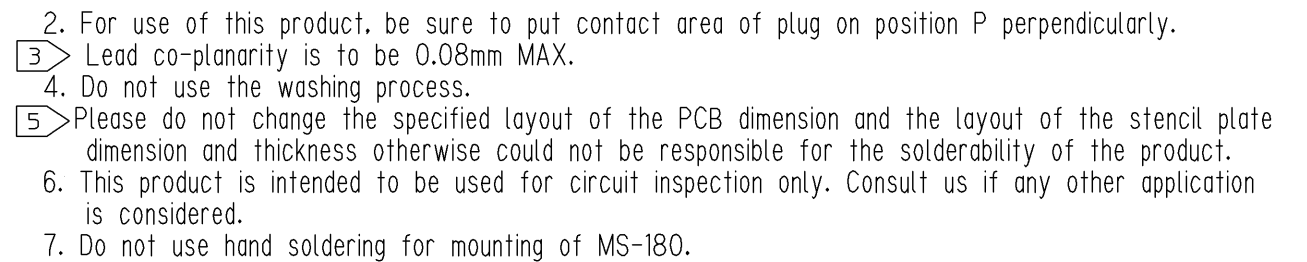


5 SPECIFIED PCB LAYOUT

The dimensional tolerance to be ± 0.05 .

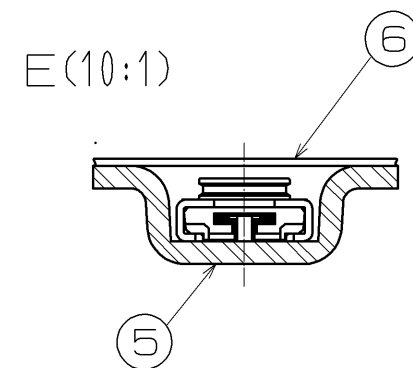
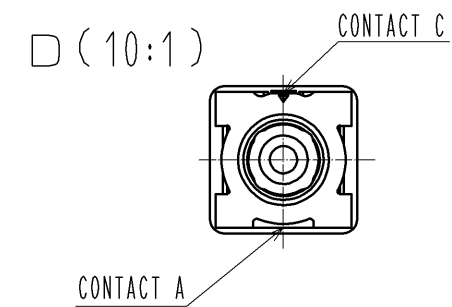
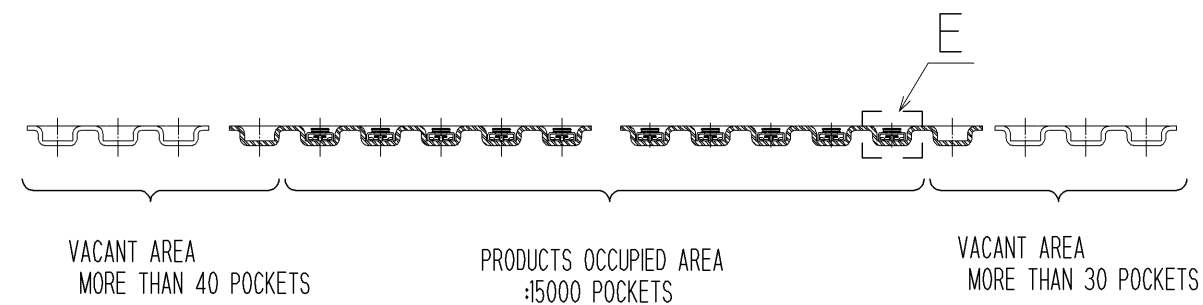
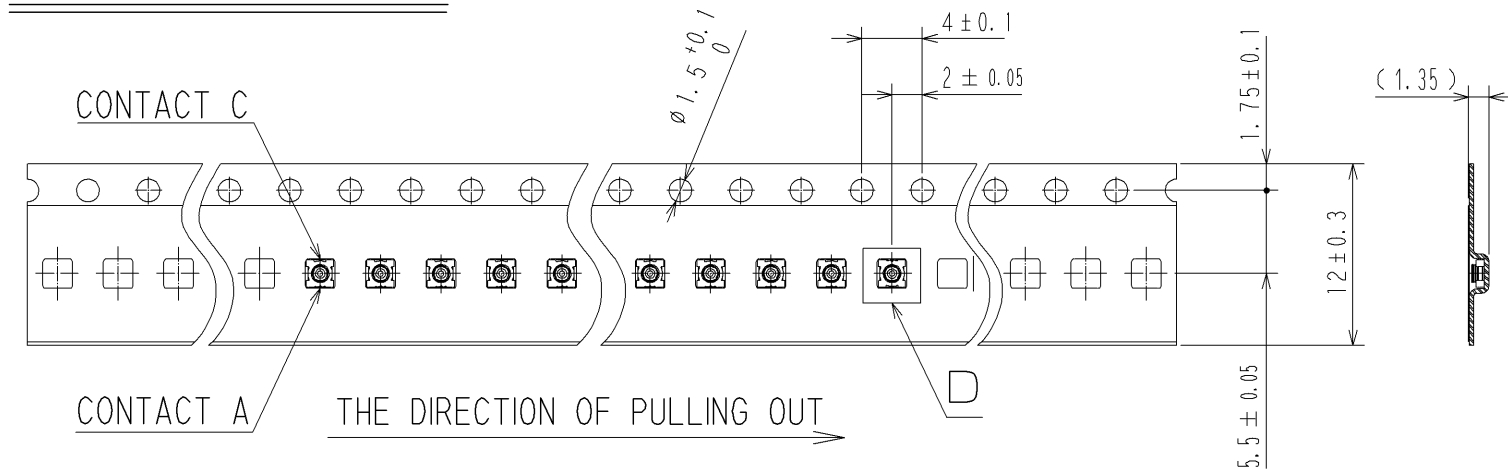


THICKNESS: 0.1mm
The dimensional tolerance to be ± 0.05 .



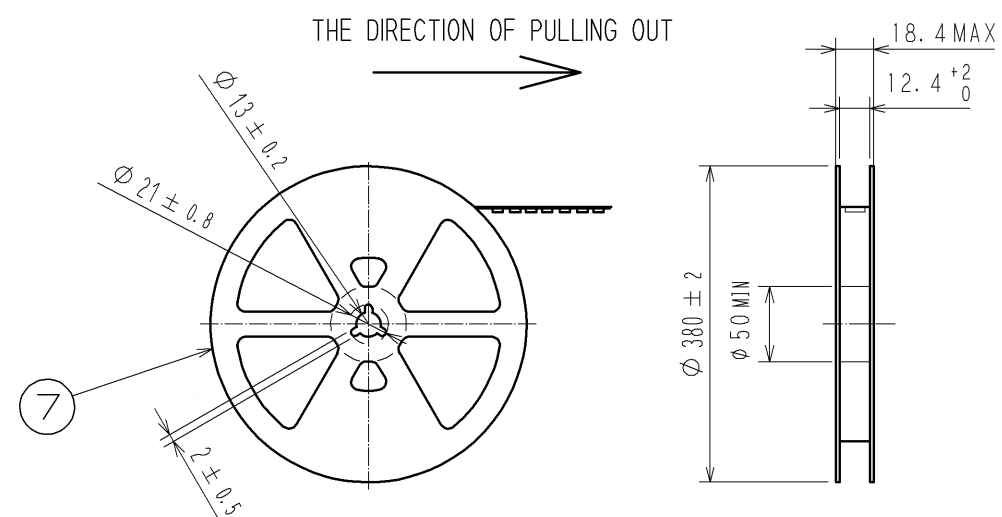
**HIROSE
ELECTRIC
CO., LTD.**

PACKAGING SPECIFICATION (2:1)

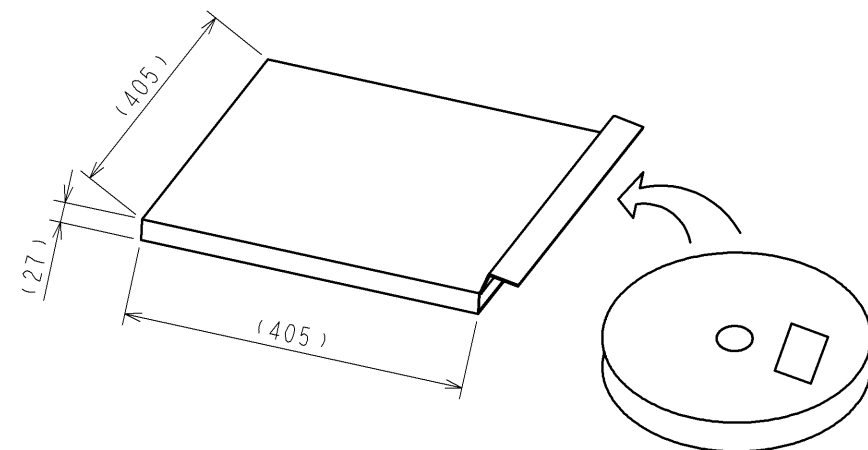


REEL DIMENSIONS(FREE)

15000 PIECES PER REEL



OUTER PACKAGING CASE(FREE)



HRS

DRAWING NO.	EDC3-180771-00
PART NO.	MS-180
CODE NO.	CL358-0265-7-00