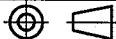


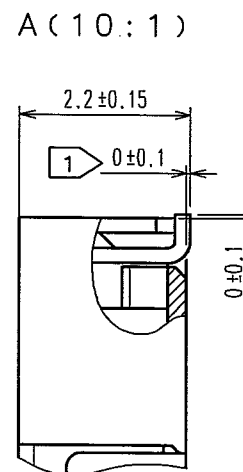
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-10211	R.T	X	04.11.17					
APPLICABLE STANDARD		SD mini Memory Card Specifications Ver 1.02							
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C (NOTE1)			STORAGE TEMPERATURE RANGE	-40 °C TO +85 °C			
	VOLTAGE	AC 125V			OPERATING HUMIDITY RANGE	95%MAXIMUM (NON-CONDENSING)			
	CURRENT	0.5A							
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 IEC60512-2-2a		OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.			INITIALLY 100 mΩ MAXIMUM (NOTE 2).			X	—
VOLTAGE PROOF IEC60512-2-4a		500 Vrms AC IS APPLIED FOR 1 MINUTE.			① NO FLASHOVER OR BREAKDOWN. ② CURRENT LEAKAGE 1mA MAXIMUM.			X	X
INSULATION RESISTANCE IEC60512-2-3a		MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.			INITIALLY 1000 MΩ MINIMUM.			X	—
MECHANICAL CHARACTERISTICS									
CARD INSERTION FORCE		MEASURED BY APPLICABLE CORD AT 25mm/min.			THE INITIAL STAGE:12 N MAX. AFTER MECHANICAL OPERATION:15N MAX.			X	—
CARD EJECTION FORCE									
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class1.1		10000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE 400~600 CYCLES/h.			① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAXIMUM CHANGE. (CONTACT RESISTANCE REVERSION BY INSERTION AND EXTRACTION IS AVAILABLE) ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.			X	—
VIBRATION AND HIGH FREQUENCY IEC60512-4-6d		FREQUENCY 10~55~10 Hz/min, SINGLE AMPLITUDE 0.75 mm FOR 2 h IN 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 100 ns. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.			X	—
SHOCK IEC60512-4-6c		ACCELERATION 490m/s ² STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTIONS.						X	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT, CYCLIC IEC60512-6-11m		10 CYCLES (1 CYCLE=24 HOURS)WITH CONNECTORS ENGAGED.			① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE: AFTER TEST 100 MΩ MINIMUM. ③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.			X	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE 1:INCLUDE THE TEMPERATURE RISE BY CURRENT. NOTE 2:CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE. UNLESS OTHERWISE SPECIFIED, THE TEST SHOULD BE DONE UNDER TEMP. 15 - 35°C, AIR PRESSURE 86 - 106kPa, RELATIVE HUMIDITY 25 - 85%.					O. MIYAMOTO	O. MIYAMOTO	H. OZAWA	K. AKIYAMA	
					04.04.05	04.04.05	04.04.05	04.04.05	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET		PART NO. DM2B-DSFW-PEJ-S		
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1/2			
CL		ELC4-155009		CL609-0009-1					

参考図：ご確認用。正式には別途納入仕様書をご請求願います。

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT		
RAPID CHANGE OF TEMPERATURE IEC60512-6-11d	5 CYCLES (1 CYCLE=1 HOUR) WITH CONNECTORS ENGAGED. TEMPERATURE: -55~+85°C	① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAXIMUM CHANGE.	X	—		
DRY HEAT IEC60512-6-11i	EXPOSED AT 85 °C FOR 96 HOURS WITH CONNECTORS ENGAGED.	② INSULATION RESISTANCE: AFTER TEST 100 MΩ MINIMUM.	X	—		
COLD IEC60512-6-11j	EXPOSED AT -25 °C FOR 96 HOURS WITH CONNECTORS ENGAGED.	③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	X	—		
DAMP HEAT, STEADY STATE IEC60512-6-11c	EXPOSED AT 40 °C, 90 TO 95 % RH, 96 HOURS WITH CONNECTORS ENGAGED.		X	—		
HYDROGEN SULFIDE JEIDA 38	EXPOSED IN 3 PPM HYDROGEN SULFIDE, APPROX. 40°C, 80% RH, 96 HOURS, WITH CONNECTORS ENGAGED.		X	—		
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
UNLESS OTHERWISE SPECIFIED, THE TEST SHOULD BE DONE UNDER TEMP. 15 - 35°C, AIR PRESSURE 86 - 106kPa, RELATIVE HUMIDITY 25 - 85%.		O. MIYAMOTO 04.04.05	O. MIYAMOTO 04.04.05	H. OZAWA 04.04.05	K. AKIYAMA 04.04.05	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DM2B-DSFW-PEJ-S		
CODE NO.(OLD) CL		DRAWING NO. ELC4-155009		CODE NO. CL609-0009-1		2/2

4	HEAT-RESISTANT RESIN	BLACK	UL94V-0	9	STEEL WIRE	Ni PLATING	
3	COPPER ALLOY(t=0.2)			8	STAINLESS STEEL		
2	PHOSPHOR BRONZE(t=0.2)	CONTACT AREA	Ni1.5 μ m+Au0.1 μ m	6, 7	PHOSPHOR BRONZE(t=0.2)	CONTACT AREA	Ni1.5 μ m+Au0.1 μ m
		MOUNTING AREA	Ni1.5 μ m+Au0.03 μ m			MOUNTING AREA	Ni1.5 μ m+Au0.03 μ m
1	HEAT-RESISTANT RESIN	BLACK	UL94V-0	5	STAINLESS STEEL		
NO.	MATERIAL	FINISH, REMARKS		NO.	MATERIAL	FINISH, REMARKS	
CODE NO. (OLD) CL			DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
			R.Takayama	R.Takayama	H.Ozawa	K.Akiyama	
			04.04.22	04.04.22	04.04.23	04.04.23	. .
		DRAWING NO.		PART NO.			
SCALE		EDC3-155009		DM2B-DSFW-PEJ-S			
FREE							
UNITS		 HIROSE ELECTRIC CO., LTD		CODE NO.		CL609-0009-1 1/2	
mm							



CARD DETECTION SWITCH	
NO CARD	CARD INSERTED
CLOSE	OPEN
	

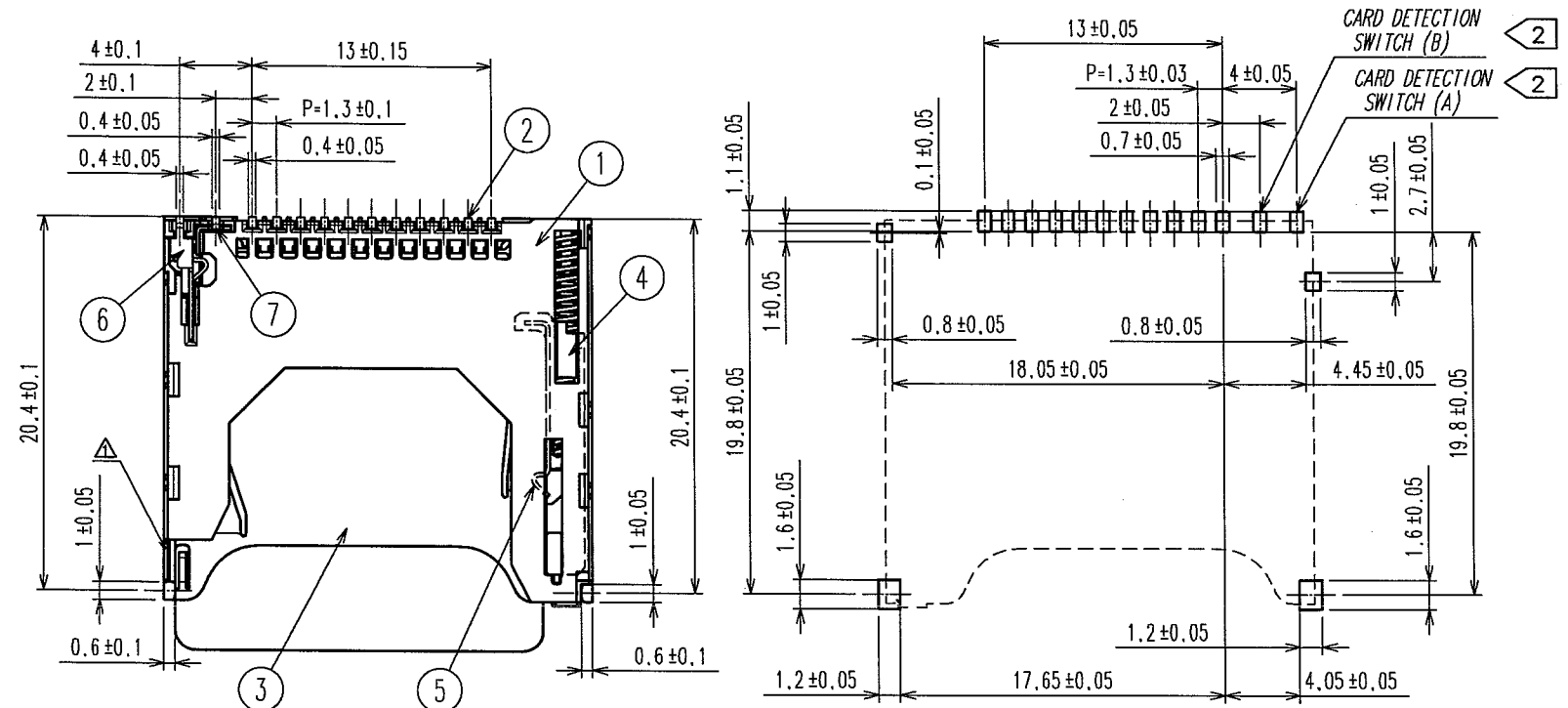
CARD INSERTED POSITION

CONTACT										
#9	#1	#2	#3	#10	#11	#4	#5	#6	#7	#8
○	○	○	○	○	○	○	○	○	○	○

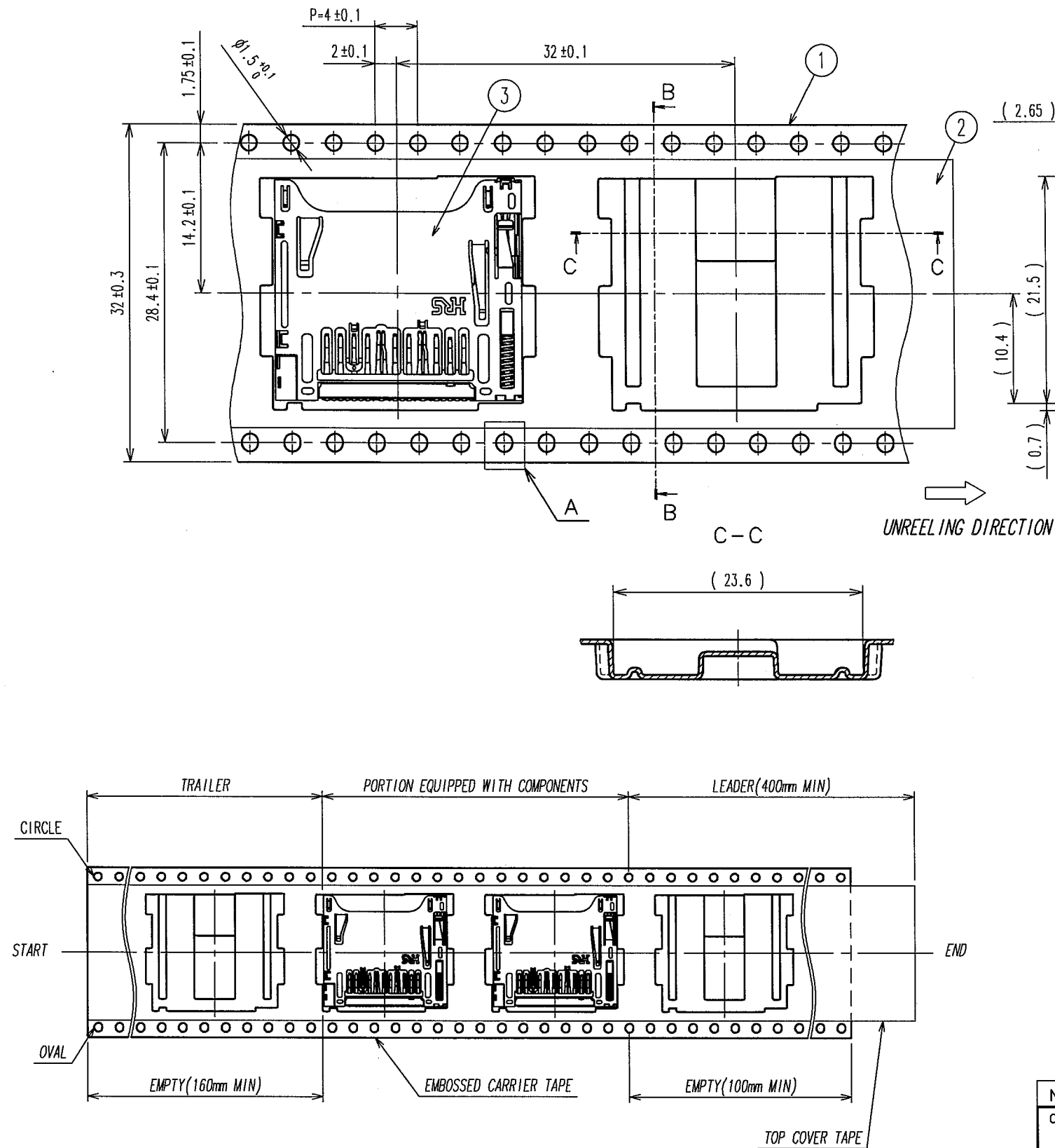
GROUND
GND

The diagram shows a card inserted into a slot. The card has 11 contacts labeled #9, #1, #2, #3, #10, #11, #4, #5, #6, #7, and #8. Contact #6 is connected to a ground point labeled GND.

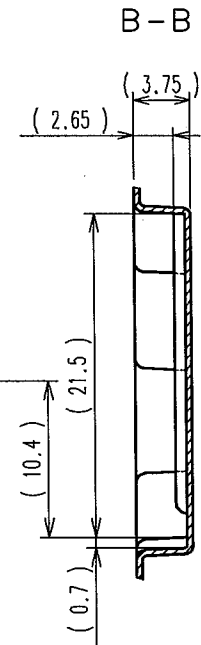
RECOMMENDED PCB LAYOUT (MOUNTING SIDE)



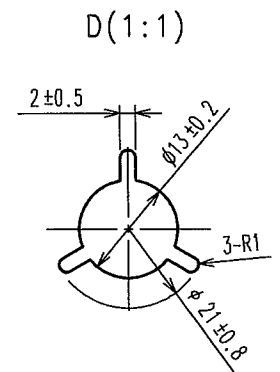
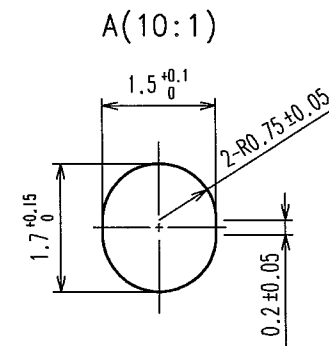
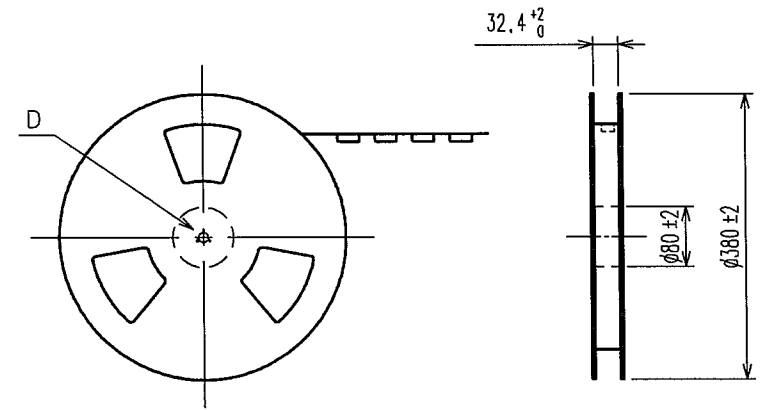
TO



	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
					.						. .
					. .						. .
					. .						. .

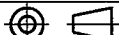


DETAIL OF REEL (1:10)



NOTE.1 PACKING TYPE:TAPE AND REEL. 800 PCS PER REEL.

3	(CONNECTORS)	
2	POLYESTER	
1	PS	

NO.		MATERIAL		FINISH, REMARKS		NO.		MATERIAL		FINISH, REMARKS							
CODE NO. (OLD) CL				DRAWN R.Takayama 04.04.22		DESIGNED R.Takayama 04.04.22		CHECKED H.Ozawa 04.04.23		APPROVED K.Akiyama 04.04.23		RELEASED . .					
		DRAWING NO. EDC3-155009						PART NO. DM2B-DSFW-PEJ-S									
		SCALE 2: 1		 HIROSE ELECTRIC CO., LTD						CODE NO. CL609-0009-1						2/2	
		UNITS mm															