



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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2005/09/16 01:56:23 CAROL TRIBBLE

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。

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-10211	RT	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					



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TO

SPECIFICATIONS

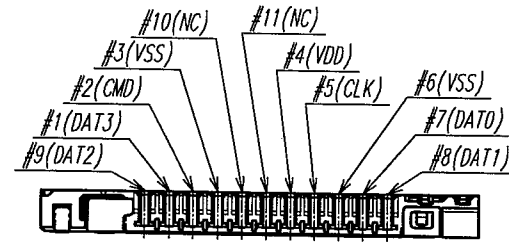
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
RAPID CHANGE OF TEMPERATURE IEC60512-6-11d	5 CYCLES (1 CYCLE=1 HOUR) WITH CONNECTORS ENGAGED. TEMPERATURE: -55~+85°C	① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE: AFTER TEST 100 MΩ MINIMUM. ③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	X	—
DRY HEAT IEC60512-6-11i	EXPOSED AT 85 °C FOR 96 HOURS WITH CONNECTORS ENGAGED.		X	—
COLD IEC60512-6-11j	EXPOSED AT -25 °C FOR 96 HOURS WITH CONNECTORS ENGAGED.		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	O. MIYAMOTO	H. OZAWA	K. AKIYAMA	
	04.04.05	04.04.05	04.04.05	04.04.05	

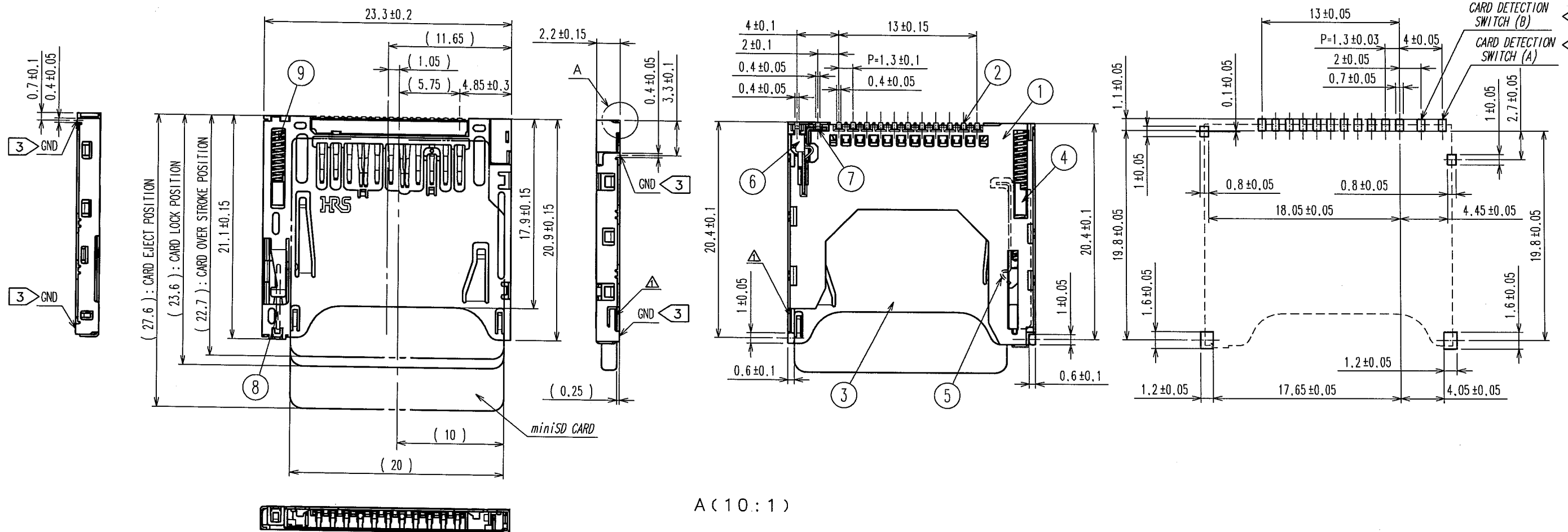
Note QT:Qualification Test AT:Assurance Test X:Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DM2B-DSFW-PEJ-S
CODE NO.(OLD) CL	DRAWING NO. ELC4-155009	CODE NO. CL609-0009-1
		2/2

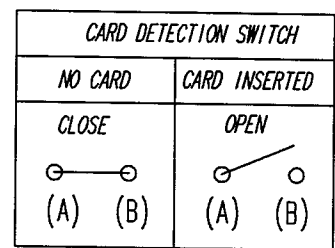
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
2	RE-F-10211	R.T		04.11.17					



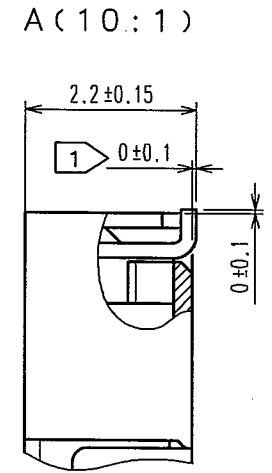
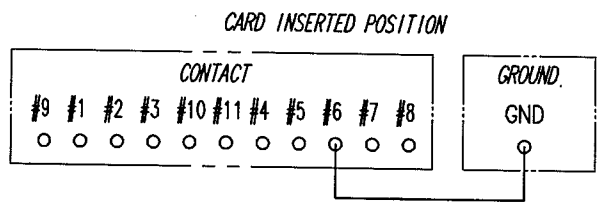
RECOMMENDED PCB LAYOUT (MOUNTING SIDE)



NOTE. ① CO-PLANARITY SHALL BE 0.1mm MAX.
 ② CARD DETECTION PROCEDURE IS SHOWN BELOW.



③ CIRCUIT OF CONTACTS AND GROUND IS SHOWN BELOW.



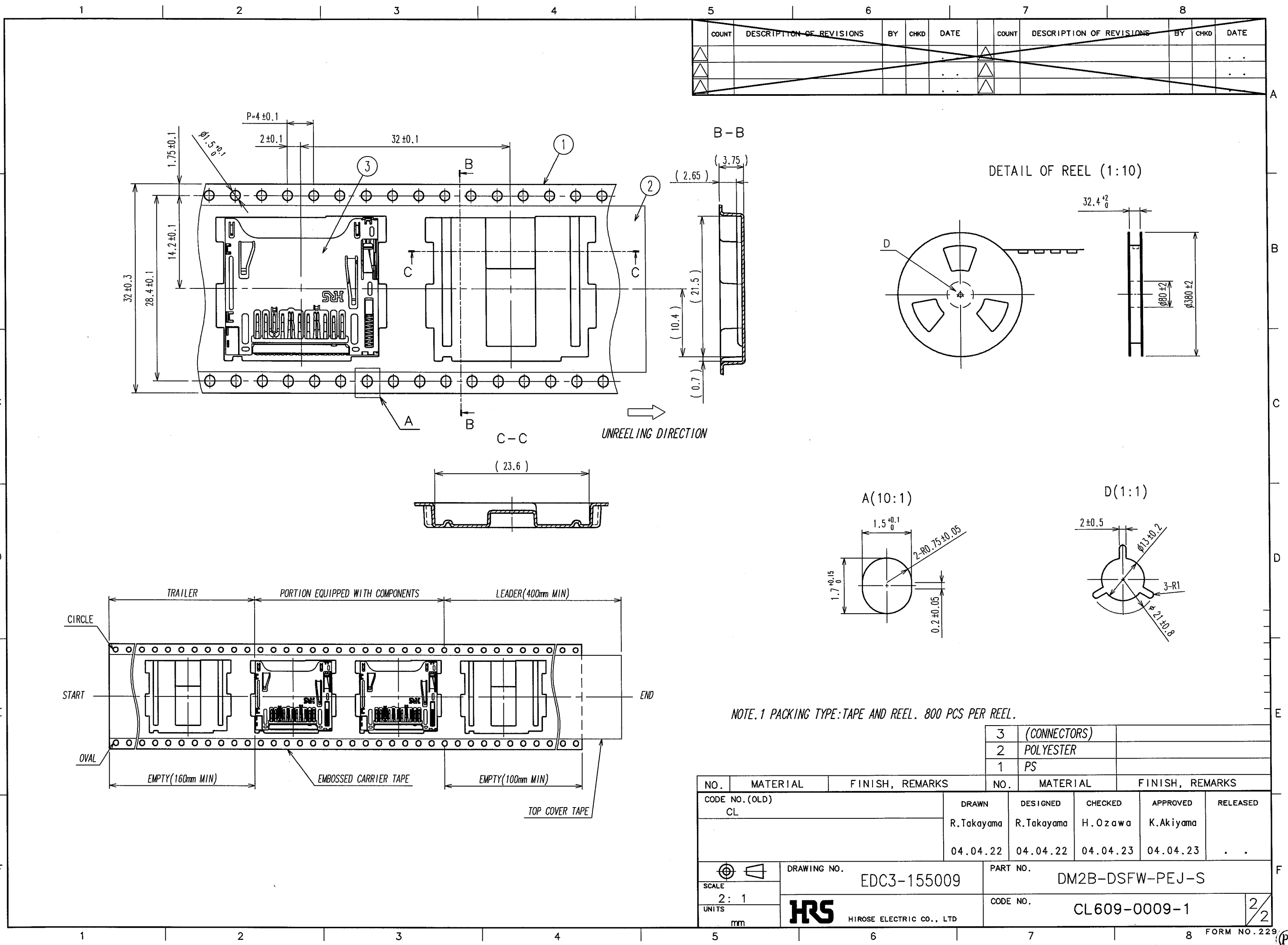
4	HEAT-RESISTANT RESIN	BLACK	UL94V-0	9	STEEL WIRE	Ni PLATING
3	COPPER ALLOY(t=0.2)			8	STAINLESS STEEL	
2	PHOSPHOR BRONZE(t=0.2)	CONTACT AREA	Ni1.5μm+Au0.1μm	6, 7	PHOSPHOR BRONZE(t=0.2)	CONTACT AREA Ni1.5μm+Au0.1μm
		MOUNTING AREA	Ni1.5μm+Au0.03μm			MOUNTING AREA Ni1.5μm+Au0.03μm
1	HEAT-RESISTANT RESIN	BLACK	UL94V-0	5	STAINLESS STEEL	

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
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 Ni1.5μm+Au0.1μm MOUNTING AREA Ni1.5μm+Au0.03μm	6, 7	PHOSPHOR BRONZE(t=0.2)	CONTACT AREA Ni1.5μm+Au0.1μm MOUNTING AREA Ni1.5μm+Au0.03μm
1	HEAT-RESISTANT RESIN	BLACK UL94V-0	5	STAINLESS STEEL	

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

TO

TO



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

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