

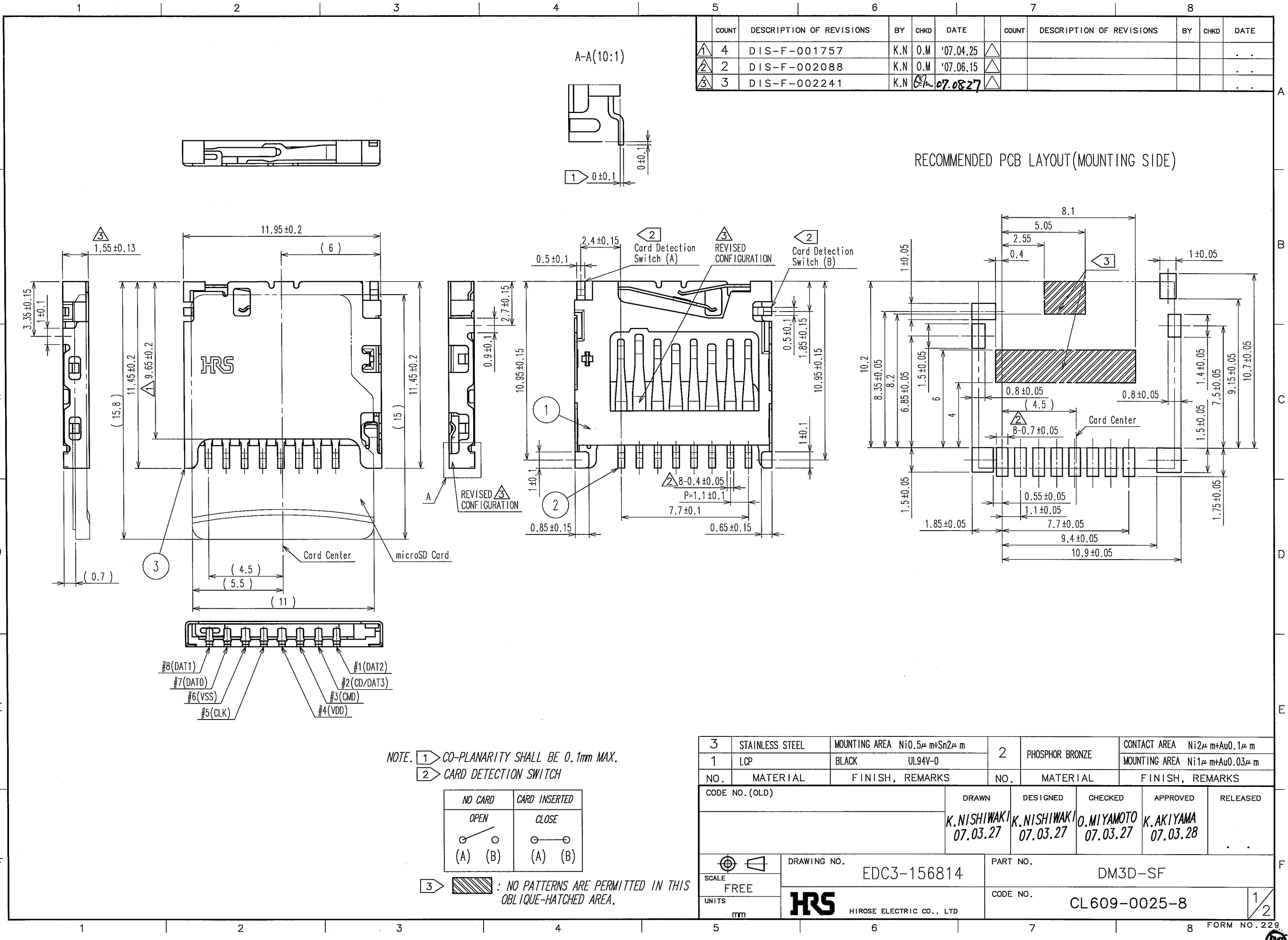
APPLICABLE STANDARD		microSD Memory Card Specifications Ver 1.10					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO +85 °C		
	VOLTAGE	AC 125V		OPERATING HUMIDITY RANGE	95%MAXIMUM (NON-CONDENSING)		
	CURRENT	0.5A					
SPECIFICATIONS							
ITEM		TEST 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.		①NO FLASHOVER OR BREAKDOWN. ②CURRENT 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:10 N MAX.		X	—
CARD EJECTION FORCE							
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class1.1		5,000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1 MINUTE.		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 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75 mm FOR 4 h IN 3 DIRECTIONS, TOTAL 12 h.		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, TOTAL 18 TIMES.				X	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED		DATE
REMARK	NOTE1:INCLUDE THE TEMPERATURE RISE BY CURRENT. NOTE 2:CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE.UNLESS OTHERWISE SPECIFIED, THE TEST SHOULD BE DONE UNDER TEMP. 15 TO 35°C, AIR PRESSURE 86 TO 106kPa, RELATIVE HUMIDITY 25 TO 85%.				APPROVED	KI. AKIYAMA	07. 04. 25
					CHECKED	OM. MIYAMOTO	07. 04. 25
					DESIGNED	KJ. NISHIWAKI	07. 03. 27
					DRAWN	KJ. NISHIWAKI	07. 03. 27
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-156814-00		
HRS	SPECIFICATION SHEET		PART NO.		DM3D-SF		
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL609-0025-8-00		
							1/2

SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
ENVIRONMENTAL CHARACTERISTICS							
2008/01/16 08:31:59 <							

2008/01/16 08:32:00 HK. HORINO

DRAWING FOR REFERENCE: This is subject to change without notice

TO



COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	4	DIS-F-001757	K.N	O.M	'07.04.25				
2	2	DIS-F-002088	K.N	O.M	'07.06.15				
3	3	DIS-F-002241	K.N	O.M	'07.08.27				

NOTE. ① CO-PLANARITY SHALL BE 0.1mm MAX.
② CARD DETECTION SWITCH

NO CARD	CARD INSERTED
OPEN	CLOSE
(A) (B)	(A) (B)

③ : NO PATTERNS ARE PERMITTED IN THIS OBLIQUE-HATCHED AREA.

3	STAINLESS STEEL	MOUNTING AREA	Ni0.5μ m+Sn2μ m	2	PHOSPHOR BRONZE	CONTACT AREA	Ni2μ m+Au0.1μ m
1	LCP	BLACK	UL94V-0			MOUNTING AREA	Ni1μ m+Au0.03μ m
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS		
CODE NO. (OLD)			DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
			K.NISHIWAKI 07.03.27	K.NISHIWAKI 07.03.27	O.MIYAMOTO 07.03.27	K.AKIYAMA 07.03.28	
DRAWING NO. EDC3-156814			PART NO. DM3D-SF				
SCALE FREE			CODE NO. CL609-0025-8				
UNITS mm			1/2				

FORM NO. 229