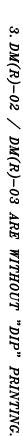
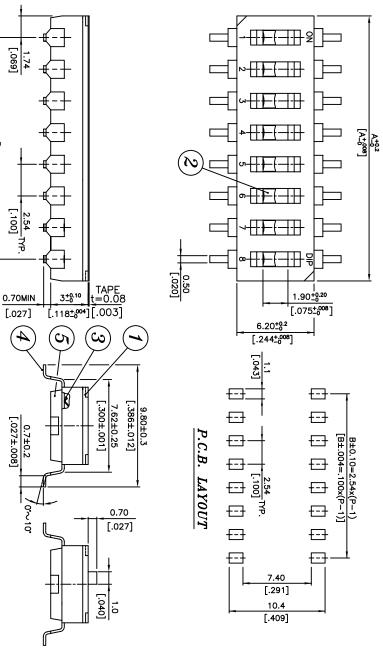
NOTE: 1. ALL DIMENSIONS ARE IN MILLIMETERETED DIMENSIONS ARE IN INCHES.

2. GENERAL TOLERANCE 10mm BELOW - ±0.20mm.





DIM. B	DIM. A	NO. OF POS.	PROD. NO.
ı	ı	ı	ı
2.54[.100]	6.02[.237]	พ	DM -02(A) (P)-V DMR-02(A) (P)-V
5.08[.200]	8.56[.337]	3	DM -03(A) (P)-V DMR-03(A) (P)-V
7.62[.300]	11.10[.437]	4	DM -04(A) (P)-V DMR-04(A) (P)-V
10.16[.400]	13.64[.537]	5	DM -05(A) (P)-V DMR-05(A) (P)-V
12.70[.500]	16.18[.637]	9	DM -06(A) (P)-V DMR-06(A) (P)-V
15.24[.600]	18.72[.737]	7	DM -07(A) (P)-V DMR-07(A) (P)-V
17.78[.700]	21.26[.837]	8	DM -08(A) (P)-V DMR-08(A) (P)-V
20.32[.800]	23.80[.937]	9	DM -09(A) (P)-V DMR-09(A) (P)-V
22.86[.900]	26.34[1.037]	10	DM -10(A) (P)-V DMR-10(A) (P)-V
31.42[1.237] 27.94[1.100]	31.42[1.237]	12	DM -12(A) (P)-V DMR-12(A) (P)-V

SCHEMATIC(TYP.)

99999999999

(1,2,3,4,5,6,7,8,9,10,12,POS AVAIL)

	德利威雷 DAILYWELL
	配子股份有 ELECTRONICS
011	限公司 CO.,LTD.

DMR SERIES

DM SERIES

			變更日期
FILE NAME: Y0556	0.0 mm ± 0.40mm	─ TOLERANCE (公差): ─ 0.00 mm + 0.25mm	SCALE (比例): 4:1
CHECKED BY 審核	REV. 版本	DWG NO. 圖 號	TITLE 圖 名
RICHARD 製	A 日期 JUL - 06 - 20	DMR-05T	SWITCH
VN BY FION	2007 SHEET 張 數	UNIT 單位	SIZE 圖紙
	1 of 1	inch mm	A4

DAILYWELL

ယ

原尺寸

修改後尺寸

德利威電子股份有限公司

版本 C

表單編號 : QR-0507

DM(R) \ NDI(R) \ DL(R) \ DJ SPECIFICATION

文 件 編 號 : E-B-AD05 版 次 : F 頁 次 : 1 / 4

1.Style:

This specification describes "DUAL IN-LINE PACKAGE SWITCHES" mainly used as signal switch of electric devices with the general requirements of mechanical and electrical characteristics.

1.1 Operating Temperature Range : -20° C ~ $+85^{\circ}$ C 1.2 Storage Temperature Range : -40° C ~ $+85^{\circ}$ C

2. Current Range:

2.1 Non-Switching: 100mA, 50V DC
2.2 Switching: 25mA, 24V DC
3. Type of Actuation: Actuated by sliding

4. Test Sequence :

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
NCE	1		By visual examination check without any out pressure & testing.	There shall be no defects that affect the serviceability of the product.
: PERFORMANCE	2	1kHz shall current contact resistance meter.		50mΩ max. (initial)
ELECTRIC	3	Insulation Resistance	500V DC, 1 minute ± 5 sec.	100MΩ min.
ELE(4	Dielectric withstand- ing Voltage	500V AC (50Hz or 60 Hz) shall be applied between all the adjacent terminals and between the terminal and the frame for 1 minute.	There shall be no breakdown or flashover.
	5	Capacitance	1 MHz ± 10 kHz	5 pF max.
MECHANICAL PERFORMANCE	Applied in the direction of operation. ON→OFF OFF→ON Force		1000gf max (9.8N max)	

$\mathsf{DM}(\mathsf{R}) \cdot \mathsf{NDI}(\mathsf{R}) \cdot \mathsf{DL}(\mathsf{R}) \cdot \mathsf{DJ}$ SPECIFICATION

文 件 編 號 : E-B-AD05 版 次 : F 頁 次 : 2 / 4

	7	Stop Strength	A static load of 1 kgf is applied in the operating direction and pulling direction operated for a period of 15 seconds.		There shall be no sign of damage mechanically.		
MECHANICAL PERFORMANCE			1.Soldering Temp	erature :			
	8		PROD SERIES	TEMP	TIME		
		Soldering Heat Resistance	THROUGH HOLE TYPE NDI(R)	260 °ℂ±5°ℂ	5±1 sec.		
			SMT TYPE $DM(R) \cdot DL(R)$	SEE PA	AGE 4/4	As shown in item 2~6	
			2.Duration of Sol 5±1 sec.				
			3.Frequency of S 2 times max. (PCB is 1.6mm	_			
	9	Vibration	Shall be vibrated in accordance with Method 201A of MIL-STD-202F ①Frequency: 10-55-10 Hz 1 min/cycle. ②Direction: 3 vertical directions including the direction of operation. ③Test Time: 2 hours each direction. Shall be shocked in accordance with			As shown in item 2~6	
MEC	10	Shock	Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F ①Acceleration: 50G. ②Action Time: 11 ± 1 m sec. ③Testing Direction: 6 sides. ④Test cycle: 3 times in each direction			As shown in item 2~6	
	11	Solderability	 ⊕ Test cycle : 3 times in each direction ⊕ NDI(R)Soldering Temperature: 230±5°C ② DM(R) \ DL(R)Soldering Temperature: SEE PAGE 4/4 ③ Soldering Temperature: SEE PAGE 4/4 ④ Flux: 5-10 seconds. ⑤ Duration of solder Immersion: 3±0.5 sec. 			No anti-soldering and the coverage of dipping into solder must more than 75% was requested.	

$\mathsf{DM}(\mathsf{R}) \cdot \mathsf{NDI}(\mathsf{R}) \cdot \mathsf{DL}(\mathsf{R}) \cdot \mathsf{DJ}$ SPECIFICATION

文 件 編 號 : E-B-AD05 版 次 : F 頁 次 : 3 / 4

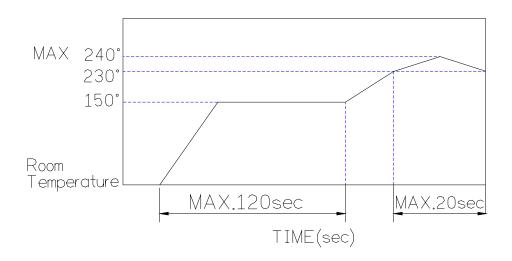
DURABILITY	12	Operation Life	Measurements shall be made following the test set forth below: ①25 mA, 24V DC resistive load ②Rate of Operation: 15~20 cycles/ minute ③Cycle of Operation: 2000 cycles.	①As show in item 3,4 ②Contact Resistance: 100mΩ max. (final-after test)
WEATHER-PROOF	13	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made: ①Temperature: -40°C±3°C ②Time: 96 hours	As shown in item 2~6
	14	Resistance High Temperatur e	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made: ①Temperature: 85°C±2°C ②Time: 96 hours	1.As shown in item 3~6 2.Contact Resistance: 100mΩ max.
WE,	15	Resistance Humidity	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made: ①Temperature: 85°C±2°C ②Relative Humidity:90~95% ③Time: 96 hours	1.As shown in item 4,62.Contact Resistance:100mΩ max.3.Insulation Resistance:10MΩ min.

DM(R) \ NDI(R) \ DL(R) \ DJ SPECIFICATION

文件編號: E-B-AD05 版 次: F 頁 次:4/4

5. SOLDERING CONDITIONS:

■ Condition for Soldering –DM(R) \ DL(R) Series



■ The condition mentioned above is the temperature on the Cu foil of the P.C.B surface.

There are cases where board's temperature greatly differs from switch's surface temperature depending on board's material, size, thickness, etc. Care, therefore, should be used not to allow switch's surface temperature to exceed 240°C.

■ Manual Soldering

Soldering Temperature	Max.350°C
Continuous Soldering Time	Max. 3 seconds

■ Precautions in Handling

- 1. Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
- 2. Don't clean the switch body except with top tape sealed type, which can only spray of cleaning method from top of s/w.
- 3. Please make sure that there is no flux rose over the surface of the PCB