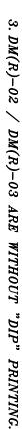
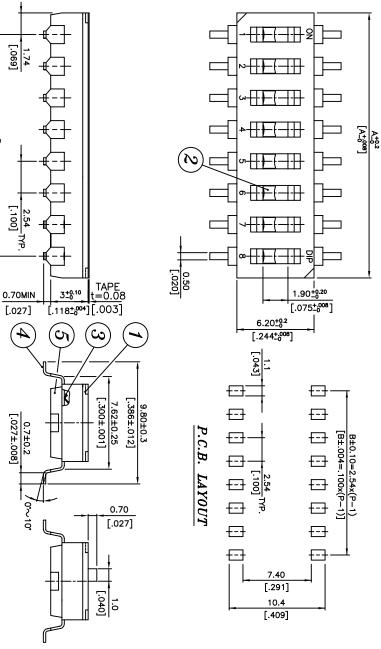
NOTE: 1. ALL DIMENSIONS ARE IN MILLIMETERSTED DIMENSIONS ARE IN INCHES.

2. GENERAL TOLERANCE COmm BELOW - ±0.10mm.





PROD.	ı	DM -02(A) (P)-V DMR-02(A) (P)-V	DM -03(A) (P)-V DMR-03(A) (P)-V	DM -04(A) (P)-V DMR-04(A) (P)-V	DM -05(A) (P)-V DMR-05(A) (P)-V	DM -06(A) (P)-V DMR-06(A) (P)-V	DM -07(A) (P)-V DMR-07(A) (P)-V	DM -08(A) (P)-V DMR-08(A) (P)-V	DM -09(A) (P)-V DMR-09(A) (P)-V	DM -10(A) (P)-V DMR-10(A) (P)-V	DM -12(A) (P)-V DMR-12(A) (P)-V
NO.		(P)-V)-V)-V))–V))–V)_v)_v))_V)_V)_v)_v)_v)_v)-v)-v)_V)_V)_v)_v
NO. OF POS.	ı	રુ	3	4	5	6	7	8	9	10	12
DIM. A	ı	6.02[.237]	8.56[.337]	11.10[.437]	13.64[.537]	16.18[.637]	18.72[.737]	21.26[.837]	23.80[.937]	26.34[1.037]	31.42[1.237] 27.94[1.100]
DIM. B	1	2.54[.100]	5.08[.200]	7.62[.300]	10.16[.400]	12.70[.500]	15.24[.600]	17.78[.700]	20.32[.800]	22.86[.900]	27.94[1.100]

SCHEMATIC(TYP.)

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

德利威電子股份有限公司 DAILYWELL **ELECTRONICS** CO.,LTD.

	FION	DRAWN BY	RICHARD	CHECKED BY	FILE NAME: Y0557
<u> </u> 0년	SHEET 張 數	06 - 2007	A 日期 JUL - 06 - 2007	REV.	0.0 mm ± 0.40mm
mm	單位 mm	-<	UMX-051-V	圖號	」 0.00 mm + 0.25mm
inch	TINU	1		DWG NO	- TOLERANCE (小差):
A4	圖紙	_	SWIICH	圖名	
•	217	•)	HILE	

DAILYWELL

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(A)

原尺寸

修改後尺寸

變更日期

DMR SERIES

DM SERIES

德利威電子股份有限公司

版本:C

表單編號 : QR-0507

	FILE No.	:	E-,	V-AD)05
DM(R) · NDI(R) · DL(R)-V SPECIFICATION	REV.	:		В	
Builty HBILLY BELLY VOLESHIOTHION	Page	:	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 DC2.2 Switching: 25mA, 24V DC3. Type of Actuation: Actuated by sliding

4. Test Sequence

	ITEM	DESCRIPTION		REQUIREMENTS
NCE	1	Visual Examination	By visual examination check without any out pressure & testing.	There shall be no defects that affect the serviceability of the product.
: PERFORMANCE	2	Contact Resistance	 ①To be measured between the two terminals associated with each switch pole. ②Measurements shall be made with a 1kHz shall current contact resistance meter. 	50mΩ max. (initial)
ELECTRIC	3	Insulation Resistance	500V DC, 1 minute ± 5 sec.	100MΩ min.
ELEC	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	6	Operation Force	Applied in the direction of operation. ON→OFF OFF→ON IMPLIES: OFF OFF OFF OFF OFF OFF OFF O	1000gf max (9.8N max)

	FILE No.	:	E-\	/-A[005
DM(R) · NDI(R) · DL(R)-V SPECIFICATION	REV.	:		В	
	Page	:	2	1	4

	7	Stop Strength	operating directio						
			1.Soldering Temp	erature :					
			PROD SERIES	TEMP					
		Soldering	THROUGH HOLE TYPE NDI(R)-V	260 °ℂ±5°ℂ	5±1 sec.				
	8	Heat Resistance	SMT TYPE DM(R) \ DL(R)-V		As shown in item 2~6				
AANCE			2.Duration of Solder Immersion: 5±1 sec. 3.Frequency of Soldering Process: 2 times max. (PCB is 1.6mm in thickness.)			As shown in item 2~6 As shown in item 2~6 No anti-soldering and the coverage of dipping into solder must more than			
ICAL PERFORMANCE	9	Vibration	Shall be vibrated in accordance with Method 201A of MIL-STD-202F OFFrequency: 10-55-10 Hz 1 min/cycle						
MECHANICAL	10	Shock	Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F						
	11	Solderability	①THROUGH HOTEL TEMPERATURE: 245± Lead-Free solde A (Tin 96.5%, Silve 2 Flux: 5-10 sectors 3 Duration of sold 3±0.5 sec. ④ SMT TYPE SE	DLE TYPE S :3°C er:M705E JIS /er 3% , Copp onds. der Immersi	oldering Z 3282 Class per 0.5%)	No anti-soldering and the coverage of dipping into solder must more than 75% was requested.			

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REV. : B
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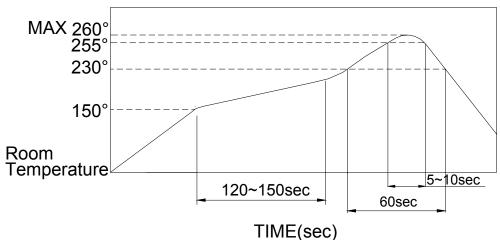
DURABILITY	12	Operation Life	Measurements shall be made following the test set forth below: ①25 mA, 24V DC resistive load ②Rate of Operation: 15~20 cycles/ minute ③Cycle of Operation: 2000 cycles.	1.As show in item 3,42.Contact Resistance: 100mΩ max. (final-after test)
L	13	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made: 1.Temperature: -40°C±3°C 2.Time: 96 hours	As shown in item 2~6
WEATHER-PROOF	14	Resistance High 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: 1.Temperature: 85°C±2°C 2.Time: 96 hours	1.As shown in item 3~6 2.Contact Resistance: 100mΩ max.
WEA	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.

$DM(R) \cdot NDI(R) \cdot$	DL(R)-V SPECIFICATION
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5. SOLDERING CONDITIONS:

■ Condition for Soldering –DM(R) · DL(R) –V 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 260° C.

■ Manual Soldering

Soldering Temperature	Max.350°C
Continuous Soldering Time	Max. 5 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

