

APPLICATIONS / MARKETS













RoHS

SPECIFICATIONS

Contact Rating:

Silver: 5A @ 120VAC or 28 VDC

2A @ 250VAC

Gold: 0.4VA @ 20V Max (AC or DC)

Life Expectancy: 40,000 make or break cycles at full load Contact Resistance: $10m\Omega$ max. initial @ 2-4VDC,

100mA for both silver and gold plated contacts Insulation Resistance: $1,000M\Omega$ min.

Dielectric Strength: 1,000 V RMS @ sea level Operating Temperature: -30°C to 85°C

FEATURES & BENEFITS

- Multiple rocker & paddle options
- Up to 4 poles
- · Multiple termination options
- · Snap-in panel mount option available

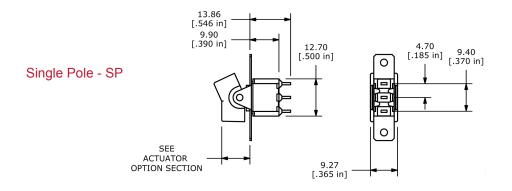
PART NUMBER CONFIGURATOR

Series	Model No.	Acuator	Actuator Color**	Termination	Contact Material	Seal	Frame Color
300	SP1	Panel Mount	Panel Mount	Panel Mount	Q - Silver	E - Epoxy	(R6, R7 Only)
	SP2	R1	BLK - Black	M1	R - Gold	sealed at base	BLK - Black
	SP3	R2	WHT - White	M3		of terminal	WHT - White
	SP4	R3	RED - Red	M51			RED - Red
	SP5	R4	YEL - Yellow	M52			YEL - Yellow
	DP1	R6*	GRY - Gray	M53			GRY - Gray
	DP2	R7*	•	M54			
	DP3	R8*	PC Mount				
	DP4	R9*	BLK - Black	PC Mount			
	DP5	R11	WHT - White	M2			
	DP6	R16	RED - Red	M6			
	DP7		YEL - Yellow	M7			
	DP8	*Snap-in	GRY - Gray	VS2			
	3P1	Panel Mount	•	VS3			
	3P2			VS4			
	3P3	PC Mount		VS5			
	3P4	J1		M61			
	3P5	J2		VS21			
	4P1	J3					
	4P2	J4					
	4P3	J5					
	4P4	J6					
	4P5						
	4P6						

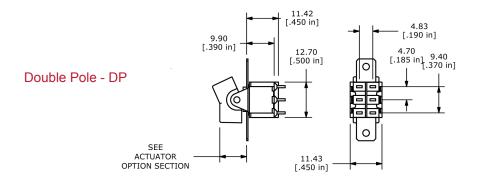
Specifications subject to change without notice

Switch Functions

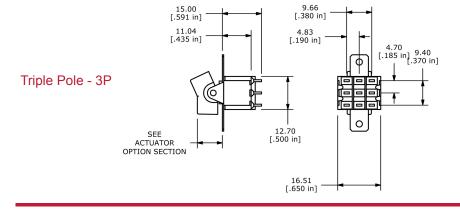
() = momentary



MODEL NO.	POS. 1	POS. 2	POS. 3
SP1	ON	NONE	ON
SP2	ON	NONE	(ON)
SP3	ON	OFF	ON
SP4	(ON)	OFF	(ON)
SP5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1



MODEL NO.	POS. 1	POS. 2	POS. 3
DP1	ON	NONE	ON
DP2	ON	NONE	(ON)
DP3	ON	OFF	ON
DP4	(ON)	OFF	(ON)
DP5	ON	OFF	(ON)
DP7	ON	ON	(ON)
DP8	(ON)	ON	(ON)
Term. Comm.	2-3, 5-6	OPEN	2-1, 5-4
DP6	ON	ON	ON
Term. Comm.	2-3, 5-6	2-3, 5-4	2-1, 5-4



MODEL NO.	POS. 1	POS. 2	POS. 3
3P1	ON	NONE	ON
3P2	ON	NONE	(ON)
3P3	ON	OFF	ON
3P4	(ON)	OFF	(ON)
3P5	ON	OFF	(ON)
Term. Comm.	2-3, 5-6, 8-9	OPEN	2-1, 5-4, 8-7

Four Pole - 4P	15.00 [.591 in] 12.35 [.486 in] 11.04 [.435 in]	14.49 [.570 in] 12.70 [.500 in]		4.83 .190 in] 4.70 [.185 in] 9.40 [.370 in]
		21.59 [.850 in] —	-	

MODEL NO.	POS. 1	POS. 2	POS. 3
4P1	ON	NONE	ON
4P2	ON	NONE	(ON)
4P3	ON	OFF	ON
4P4	(ON)	OFF	(ON)
4P5	ON	OFF	(ON)
Term. Comm.	2-3, 5-6, 8-9, 11-12	OPEN	2-1, 5-4, 8-7, 11-10
4P6	ON	ON	ON
Term. Comm.	2-3, 5-6, 8-9, 11-12	2-3, 5-4, 8-9, 11-10	2-1, 5-4, 8-7, 11-10

E+SWITCH®

ANTI-VANDAL SWITCHES

DETECTOR SWITCHES

DIP

KEYLOCK SWITCHES

NAVIGATION PUSHBUTTON SWITCHES SWITCHES

ROTARY SWITCHES

SLIDE SWITCHES

SNAP ACTION SWITCHES

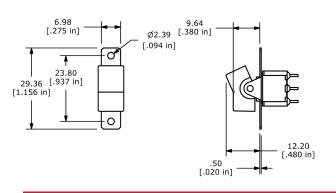
TACTILE SWITCHES

TOGGLE SWITCHES

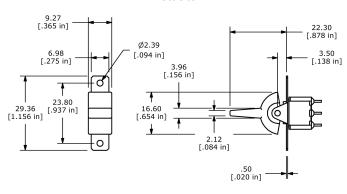
CAP

Panel Mount Actuator

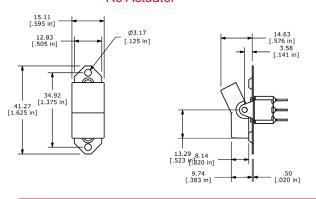
R1 Actuator



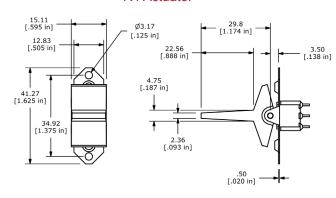
R2 Actuator



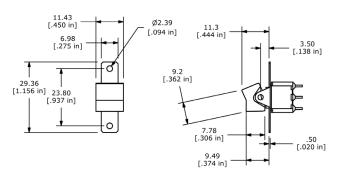
R3 Actuator



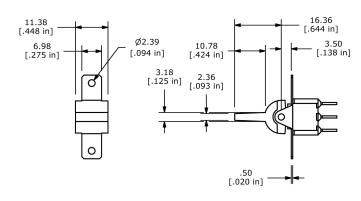
R4 Actuator

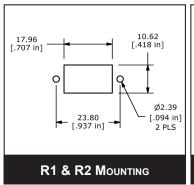


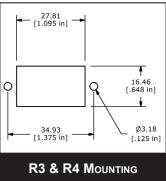
R11 Actuator

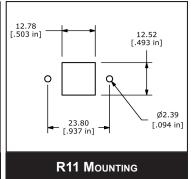


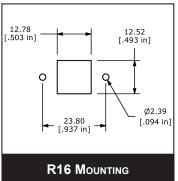
R16 Actuator





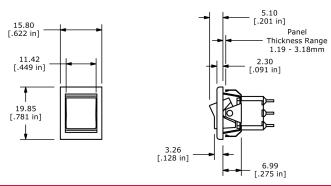




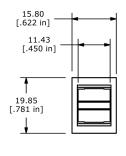


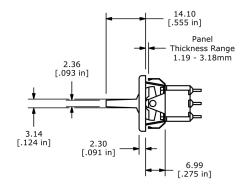
Snap-in Panel Mount Actuator

R6 Actuator

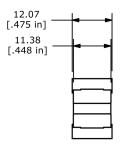


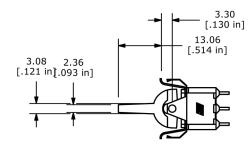
R7 Actuator



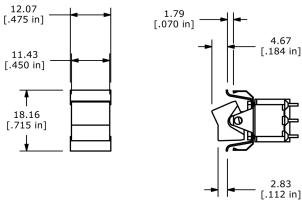


R8 Actuator





R9 Actuator



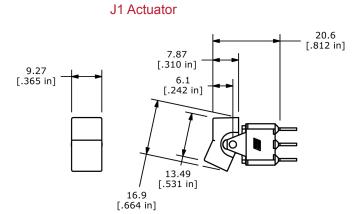
12.70 [.500 in]	 	
		DIM "A"

ACTUATOR OPTION	PANEL THICKNESS	DIM "A"
R6 or R7	1.19-1.51 [.047060]	15.70 [.619]
R6 or R7	1.52-3.18 [.061125]	15.85 [.624]
R8 or R9	1.19-2.29 [.047090]	15.70 [.619]
R8 or R9	2.30-3.18 [.091125]	15.85 [.624]

E+SWITCH®

ROCKER SWITCHES

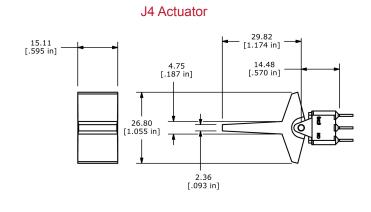
PC Mount Actuator



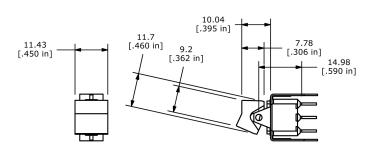
J2 Actuator 18.8 [.740 in] 3.96 [.156 in] 2.12 [.084 in] R8.43

[.332 in]

14.48 [.570 in] 8.13 [.320 in] 6.26 [.246 in] 26.80 [1.055 in] 23.01 [.906 in]

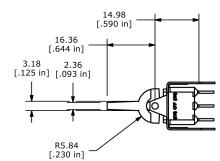


J5 Actuator



J6 Actuator

11.43 [.450 in]



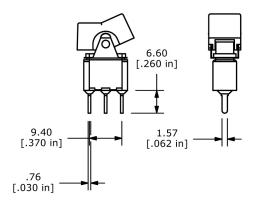
Panel Mount Termination

M1 Termination

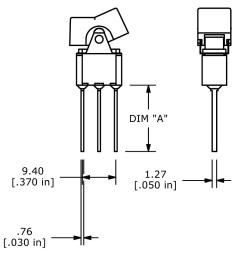
3.96 1.98 [.078 in] [.156 in] 9.40 1.19 [.047 in] [.370 in] 2.03 .76 [.030 in] [.080 in]

See Switch Function details (page 3) for complete terminal spacing dimensions for DP, 3P, and 4P switch models.

M3 Termination



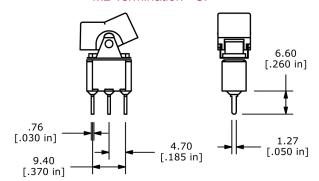
M5 Termination

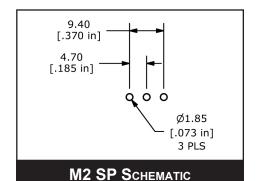


OPTION	DIM "A"
M51	18.70 [.736]
M52	24.20 [.953]
M53	10.55 [.415]
M54	26.97 [1.062]

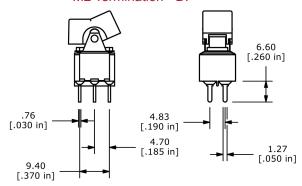
PC Mount M2 Termination

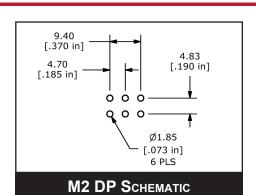
M2 Termination - SP



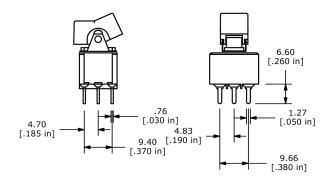


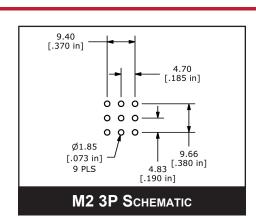
M2 Termination - DP



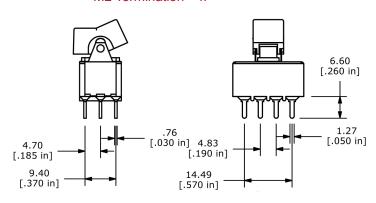


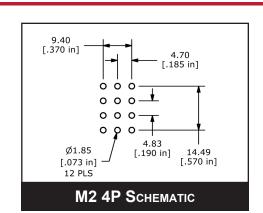
M2 Termination - 3P





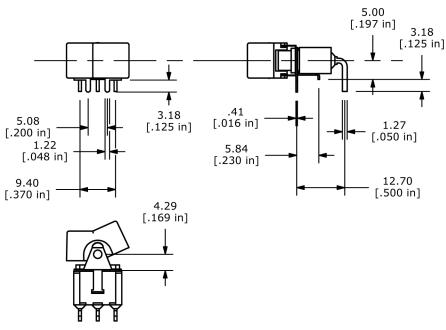
M2 Termination - 4P

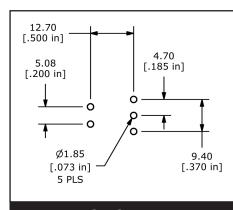




PC Mount M6 Termination

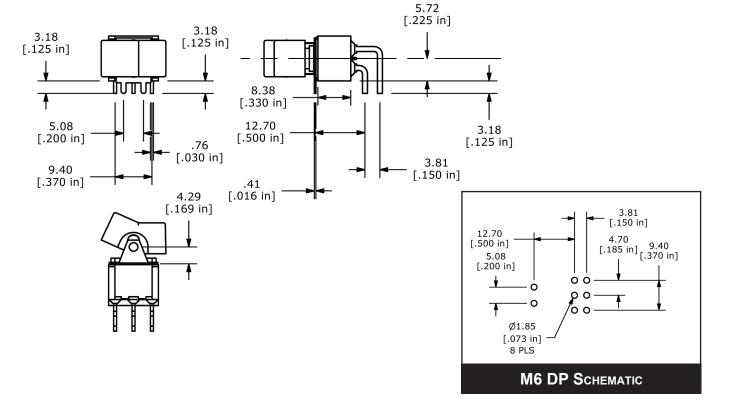
M6 Termination - SP





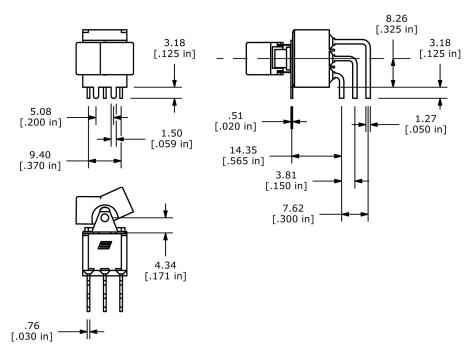
M6 SP SCHEMATIC

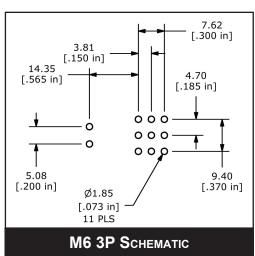
M6 Termination - DP



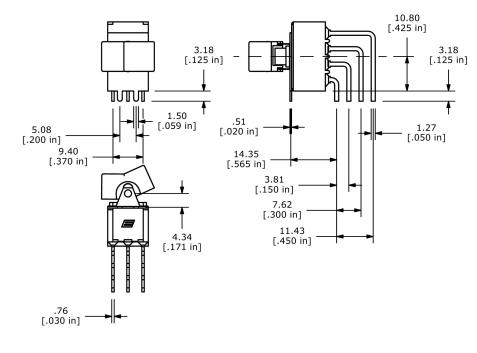
PC Mount M6 Termination

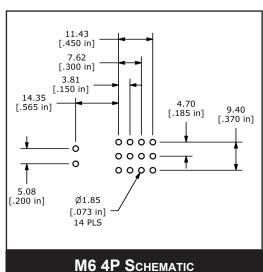
M6 Termination - 3P





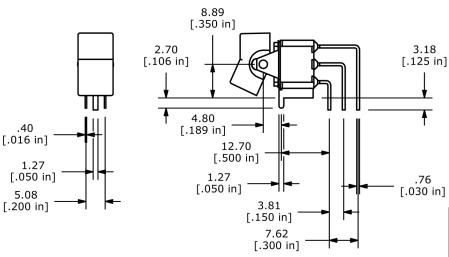
M6 Termination - 4P

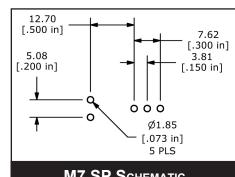




PC Mount M7 Termination

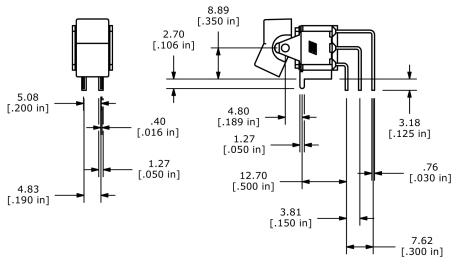
M7 Termination - SP

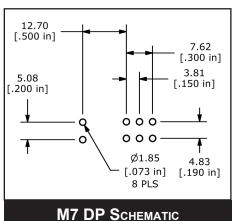




M7 SP SCHEMATIC

M7 Termination - DP

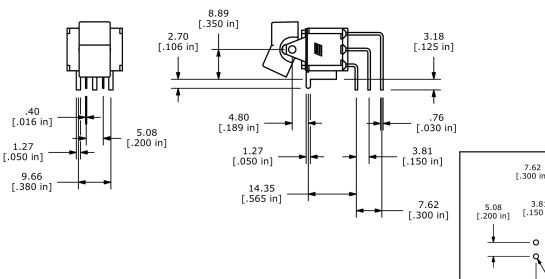


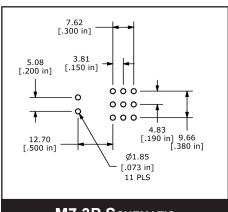


ROCKER SWITCHES

PC Mount M7 Termination Options

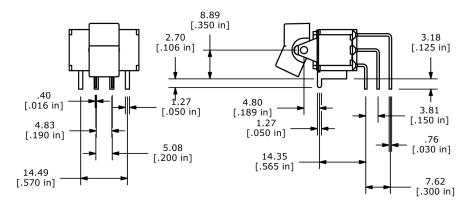
M7 Termination - 3P

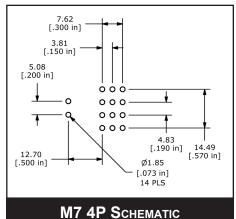




M7 3P SCHEMATIC

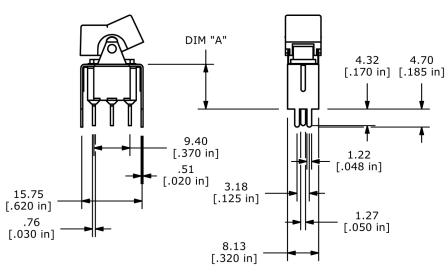
M7 Termination - 4P



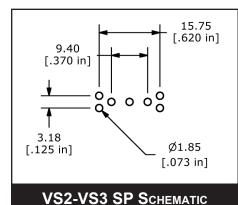


PC Mount VS2-VS3 Termination

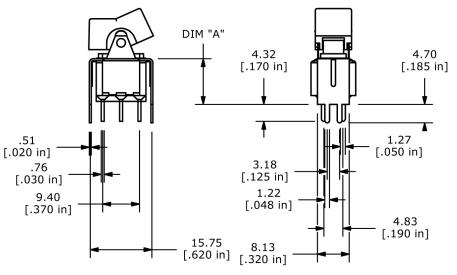
VS2-VS3 Termination - SP



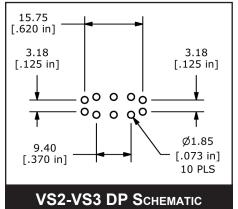
OPTION	DIM "A"
VS2	11.68 [.460]
VS3	16.00 [.630]



VS2-VS3 Termination - DP



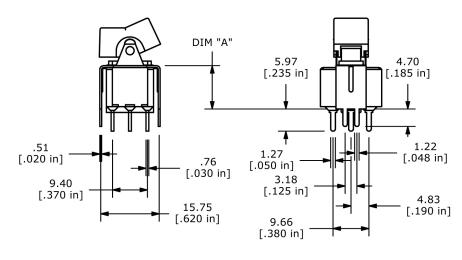
OPTION	DIM "A"
VS2	11.68 [.460]
VS3	16.00 [.630]



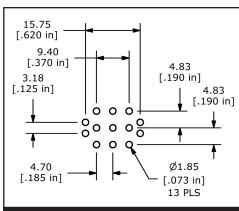
E+SWITCH®

PC Mount VS2-VS3 Termination

VS2-VS3 Termination - 3P

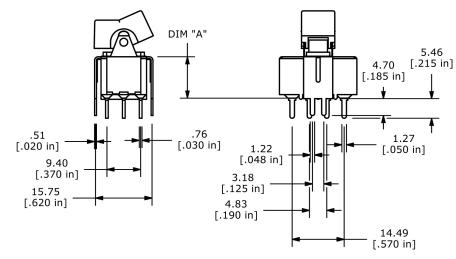


OPTION	DIM "A"
VS2	11.68 [.460]
VS3	16.00 [.630]

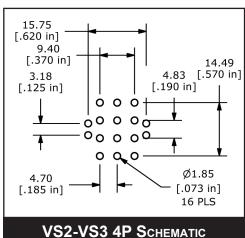


VS2-VS3 3P SCHEMATIC

VS2-VS3 Termination - 4P

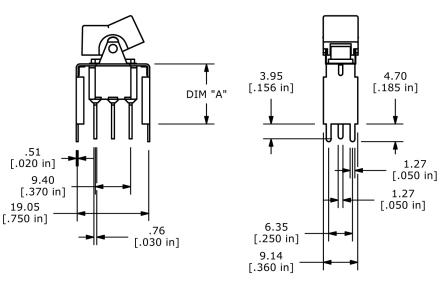


OPTION	DIM "A"
VS2	11.68 [.460]
VS3	16.00 [.630]

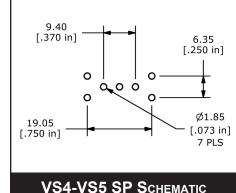


PC Mount VS4-VS5 Termination

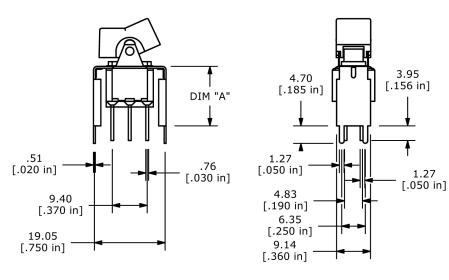
VS4-VS5 Termination - SP



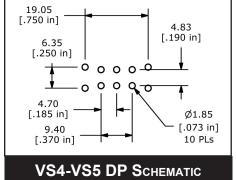
OPTION	DIM "A"
VS4	11.68 [.460]
VS5	16.00 [.630]



VS4-VS5 Termination - DP

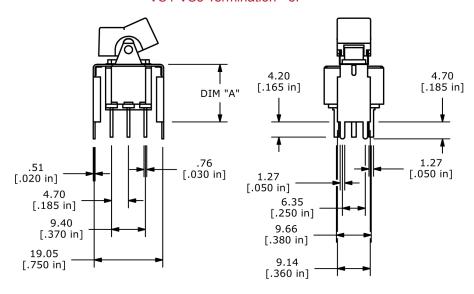


OPTION	DIM "A"
VS4	11.68 [.460]
VS5	16.00 [.630]

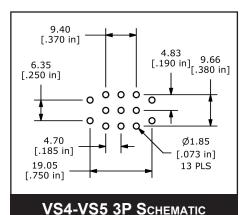


PC Mount VS4-VS5 Termination

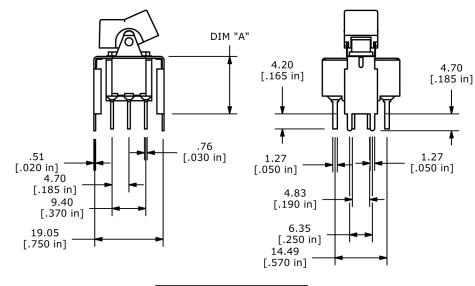
VS4-VS5 Termination - 3P



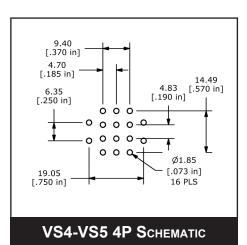
OPTION	DIM "A"
VS4	11.68 [.460]
VS5	16.00 [.630]



VS4-VS5 Termination - 4P



OPTION	DIM "A"
VS4	11.68 [.460]
VS5	16.00 [.630]



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

E-Switch:

300SP1J1BLKM6QE 300DP2J1BLKM2QE 300SP5R1BLKM1QE 300SP1J1M6RE 300SP1J1M6QE 3003P1J3BLKM6QE 3003P1R2BLKM1QE 3003P1R6BLKM1REBLK 3003P2R2BLKM2QE 3003P3R3BLKM2QE 3004P1J1BLKM7QE 3004P2J2WHTM2RE 3004P6J1BLKM7QE 300DP1J1VS2RE 300DP1J1WHTM2RE 300DP1J1WHTVS2RE 300DP1J6BLKM2QE 300DP1R8WHTM1QE 300DP2R6BLKM3QE 300DP3R1BLKM7QE 300DP3R3BLKM1QE 300DP3R6BLKM3QEBLK 300DP3R7BLKM1REBLK 300DP3R9REDM1QE 300DP4J3BLKVS2QE 300DP4J6BLKVS2QE 300DP4R8BLKM1QE 300DP6J1BLKM2QE 300DP6J1BLKM6QE 300SP1J1REDM2QE 300SP1J2BLKVS4QE 300SP1J3BLKM51RE 300SP1J3REDM6QE 300SP1J3VS2QE 300SP2R6BLKM2QEBLK 300SP3J1BLKM6QE 300SP3J1GRYM7RE 300SP3J3BLKVS5QE 300SP3J3REDM7QE 300SP4J2REDVS2RE 300SP4J3BLKM2QE 300SP4R1M7RE 300SP4R2BLKM7RE 300SP4R7BLKM1QEBLK 300SP4R9BLKM1QE 300SP5J1REDM6QE 300SP5J3BLKVS2QE 300SP5J6VS2RE 300SP4J2BLKVS2RE 300SP4J2BLKVS4QE 300SP4J2BLKVS5QE 300SP4J2WHTVS2RE 300SP4J3BLKVS2QE 300SP4J6BLKM7RE 300SP4J6BLKVS4RE 300SP4J6M7QE 300SP4J6VS2QE 300SP4R1BLKM1QE 300SP4R1BLKVS2QE 300SP4R6WHTM2QEWHT 300SP4R7BLKM1REBLK 300SP4R7BLKM3QEBLK 300SP4R8BLKM1RE