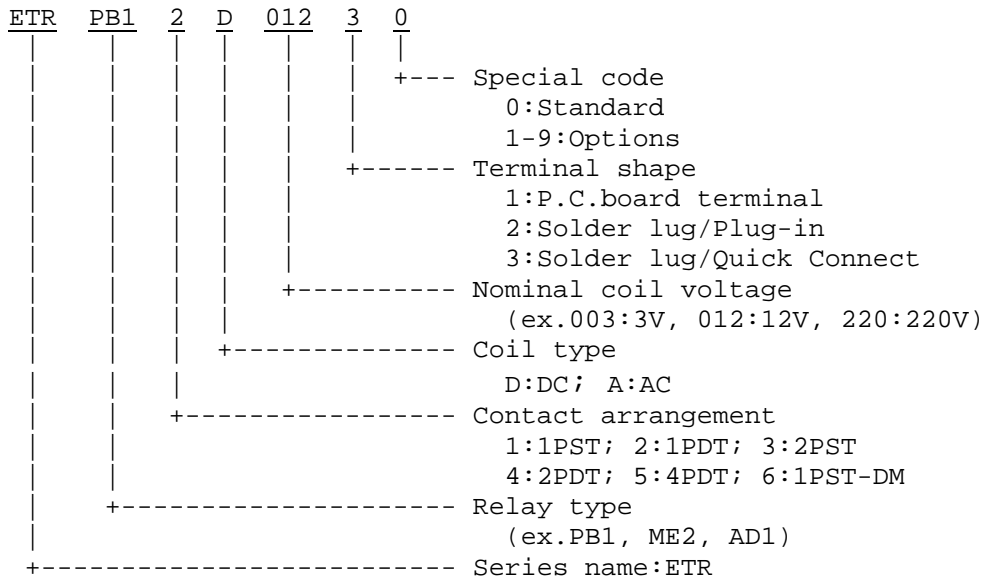


ELECTROMECHANICAL RELAY

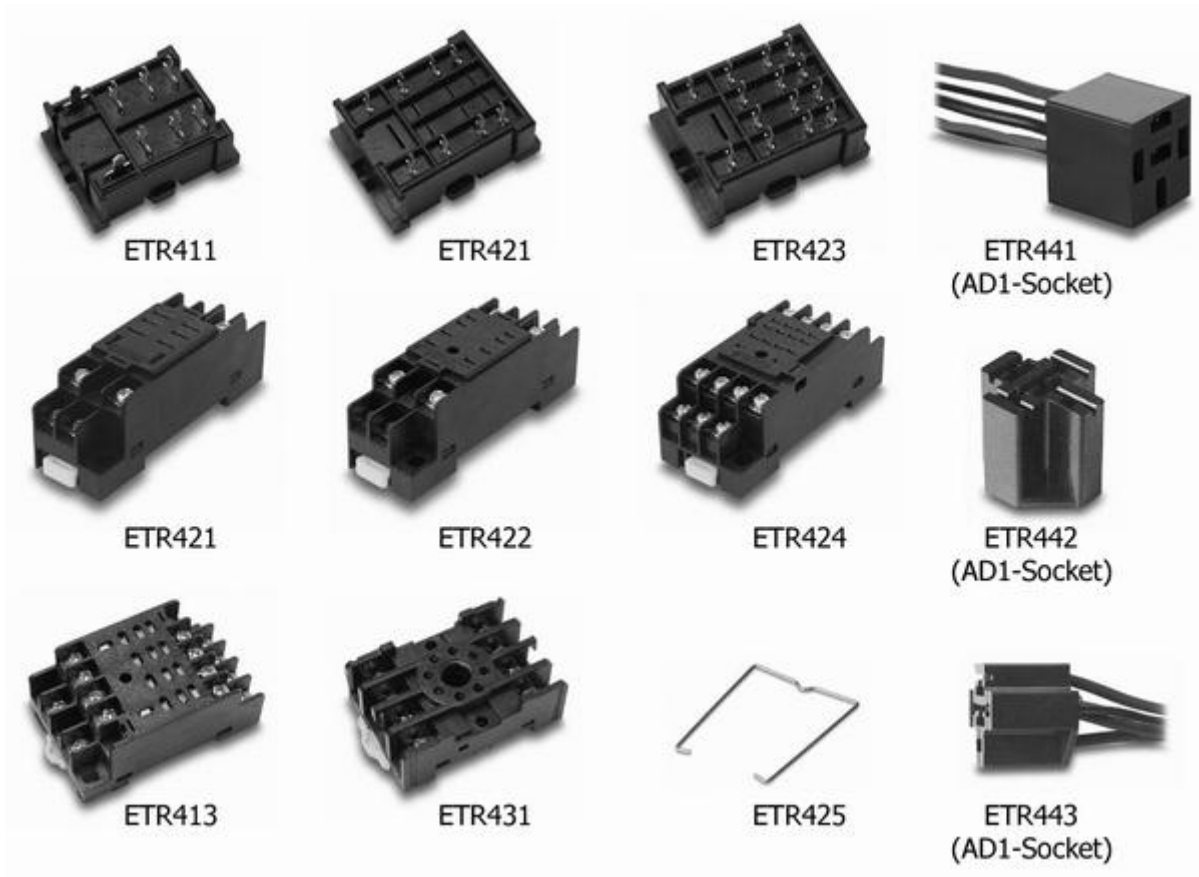
ETR SERIES



PART NUMBERING SYSTEM





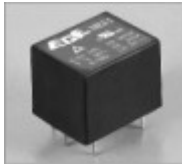
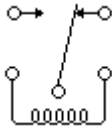
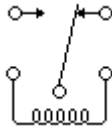
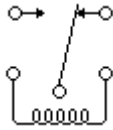



RELAY SOCKET




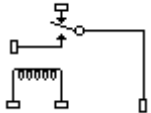
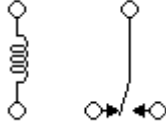




ELECTROMECHANICAL RELAY

ETR-MINIATURE RELAYS



CLASSIFICATION		ETR -- MINIATURE RELAYS		
		US E155181(R)		
		ME1	ME2	ME3
RELAY TYPE				
Connection Diagram				
Outline (without terminals) LxWxH(mm)		21.5x16x16.5	21.5x16x17	19.5x15.8x15
Contact Arrangement		1PST / 1PDT	1PST / 1PDT	1PDT
Contact Rating (Resistive Load)		AC 120V 10A DC 24V 10A AC 240V 6A	AC 120V 10A DC 24V 10A AC 240V 6A	AC 120V 10A DC 24V 10A AC 240V 10A
Coil Voltage		DC 3V 5V 6V 9V 12V 24V 48V	DC 3V 5V 6V 9V 12V 24V 48V	DC 3V 5V 6V 9V 12V 24V 48V
Coil Power (nominal)		DC 0.36W	DC 0.36W	DC 0.36W
Break-down Voltage	Between contacts	AC 750V	AC 750V	AC 750V
	Between all elements	AC 1500V	AC 1500V	AC 1500V
Insulation Resistance		100M Ω (500VDC)	100M Ω (500VDC)	100M Ω (500VDC)
Life (Min. Operations)	Mechanical	10 ⁷	10 ⁷	10 ⁷
	Electrical (at rated load)	10 ⁵	10 ⁵	10 ⁵
Terminal Shape				
Approximate Weight		12g	12g	9g
Recognized Safety Standard		TUV, UL, CUL	TUV, UL, CUL	TUV, UL, CUL
Features		Hand solder type Transparent cover	Sealed type	Sealed type
Option				

CLASSIFICATION		ETR -- MINIATURE RELAYS		 US E155181(R)
		MT1	MJ1	
RELAY TYPE				
Connection Diagram				
Outline (without terminals) LxWxH(mm)		21.8x16.8x14.2		18.2x10.2x14.5
Contact Arrangement		1PDT		1PST / 1PDT
Contact Rating (Resistive Load)		AC 120V 10A DC 24V 10A AC 240V 6A	AC 125V 12A DC 30V 10A AC 277V 10A	
Coil Voltage		DC 3V 5V 6V 9V 12V 24V 48V	DC 3V 5V 6V 9V 12V 24V 48V	
Coil Power (nominal)		DC 0.33~0.45W		DC 0.2~0.45W
Break-down Voltage	Between contacts	AC 750V		AC 750V
	Between all elements	AC 1500V		AC 4000V
Insulation Resistance		100M Ω (500VDC)		100M Ω (500VDC)
Life (Min. Operations)	Mechanical	10 ⁷		10 ⁷
	Electrical (at rated load)	10 ⁵		10 ⁵
Terminal Shape				
Approximate Weight		10g		9g
Recognized Safety Standard		TUV		UL, CUL
Features		Semisealed type		Sealed type
Option		High sensitive type		

Note: Meaning of symbol Marks



:P.C.Board Terminal



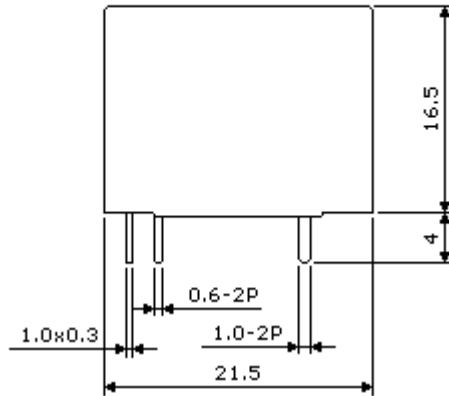
:Solder lug/Plug-in



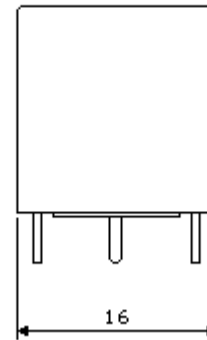
:Solder lug/Quick connect

DIMENSIONS

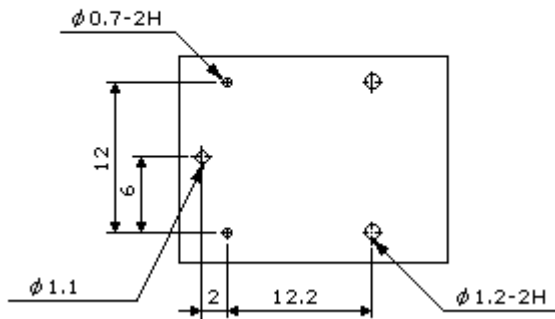
DIMENSIONS Unit:mm
P/NO. ETR-ME1,ME2



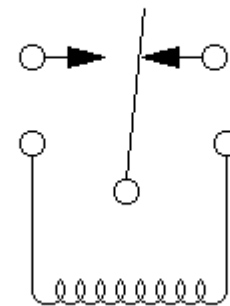
P.C.B LAYOUT



WIRING DIRGRAM

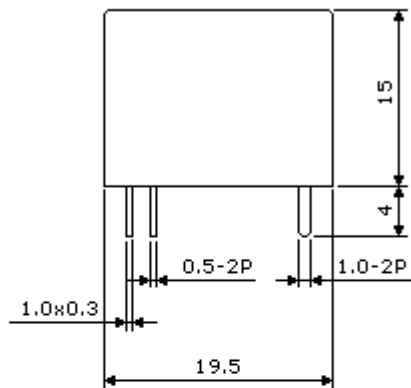


P.C.B LAYOUT

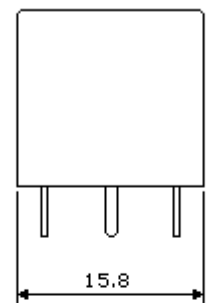


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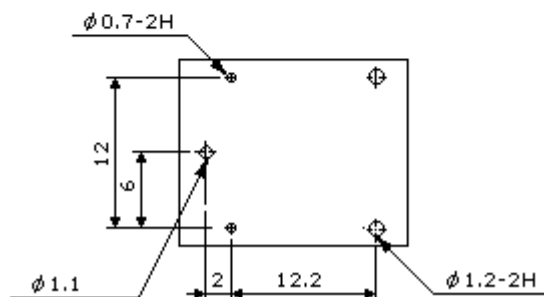
DIMENSIONS Unit:mm
P/NO. ETR-ME3



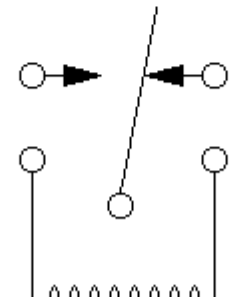
P.C.B LAYOUT



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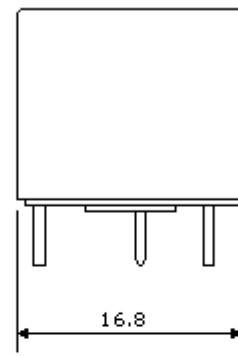
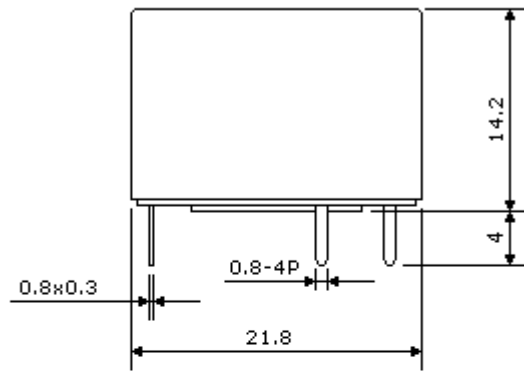


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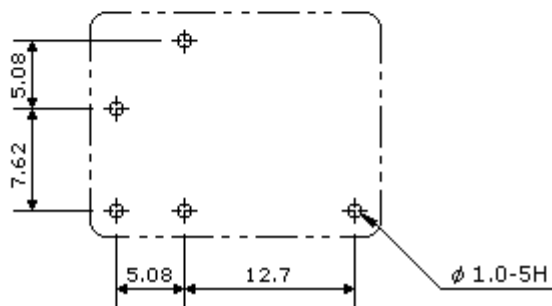


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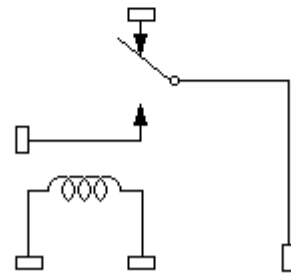
DIMENSIONS Unit:mm
P/NO. ETR-MT1



P.C.B LAYOUT

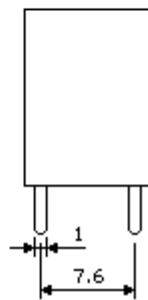
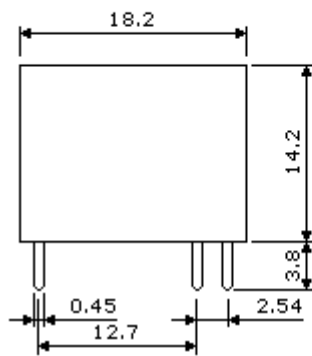


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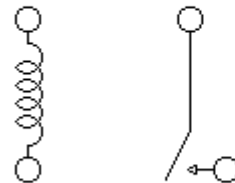


DIMENSIONS Unit:mm
P/NO. ETR-MJ1

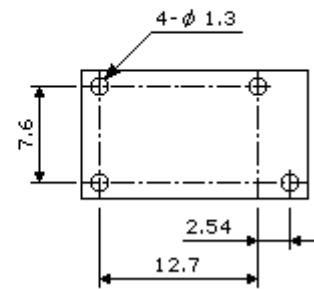
1 FROM A



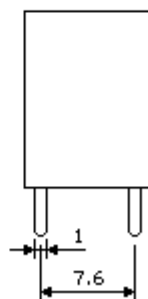
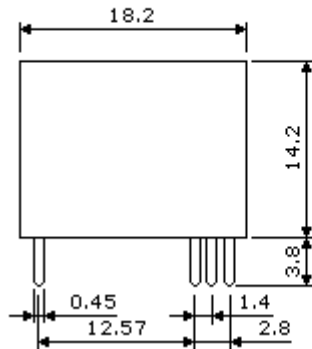
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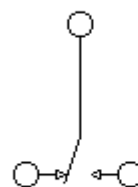
P.C.B LAYOUT



1 FROM C



WIRING DIRGRAM



P.C.B LAYOUT

