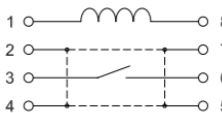
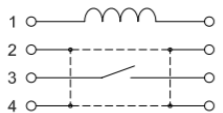
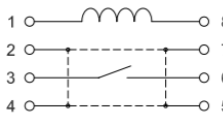
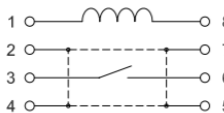
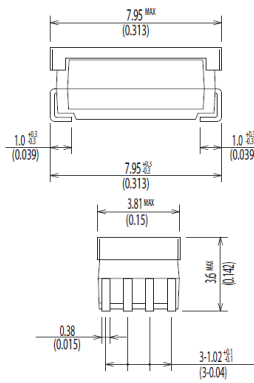
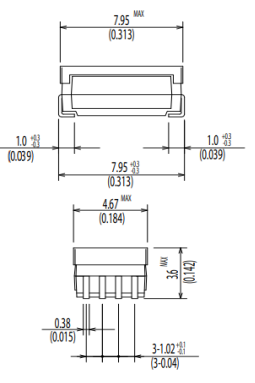
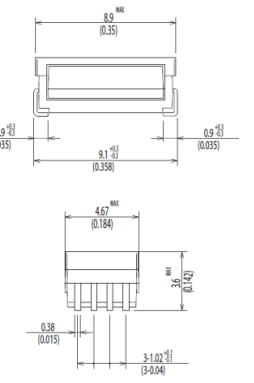
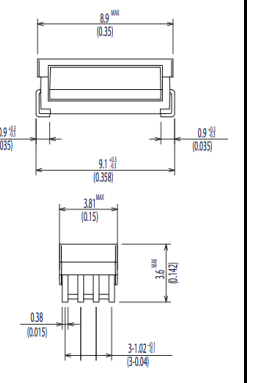
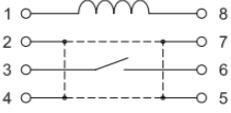
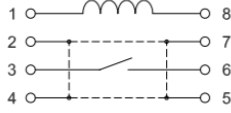
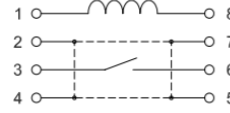
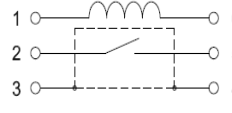
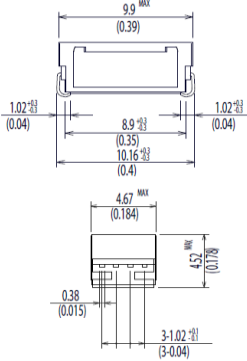
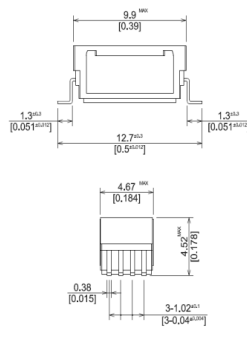
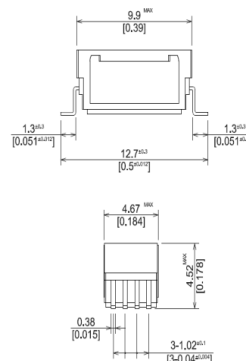
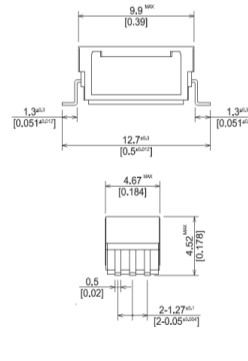
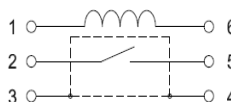
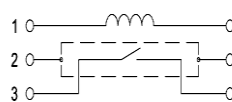
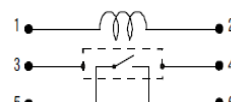
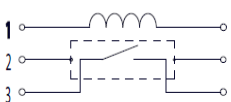
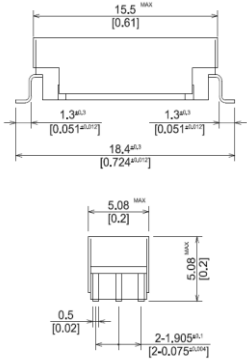
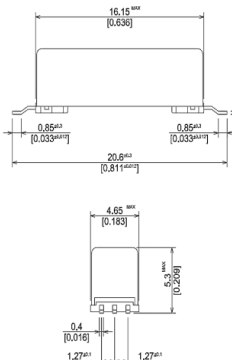
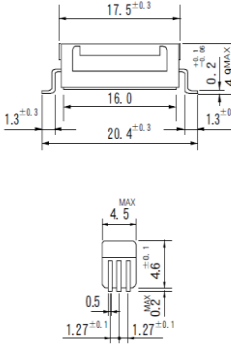
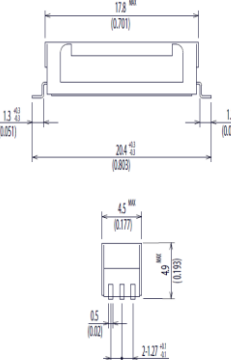
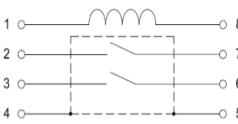
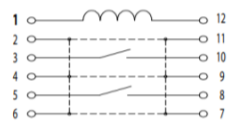
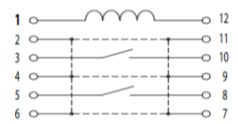
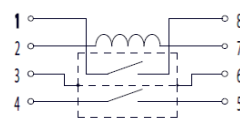
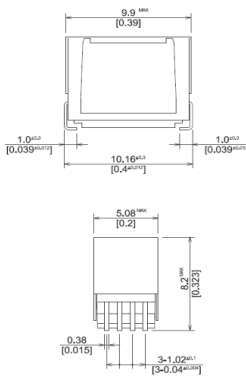
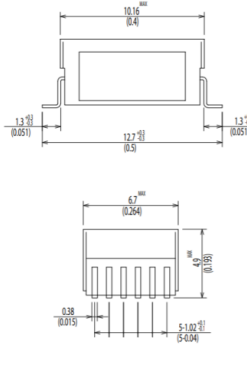
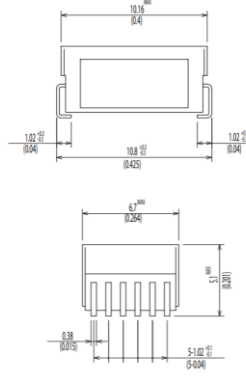
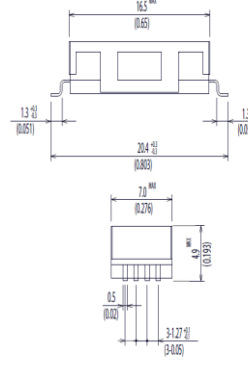
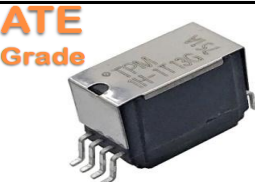
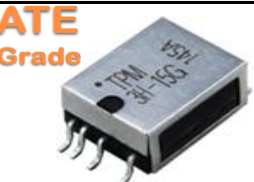
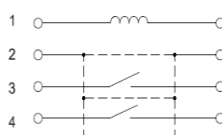
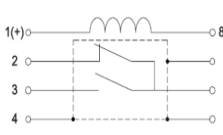
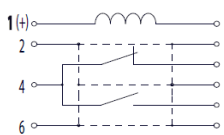
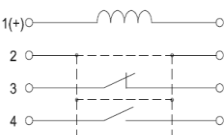
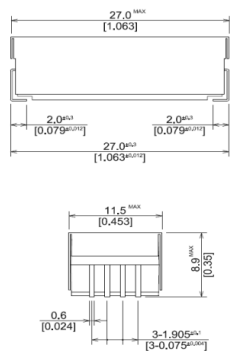
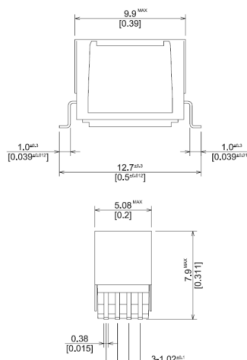
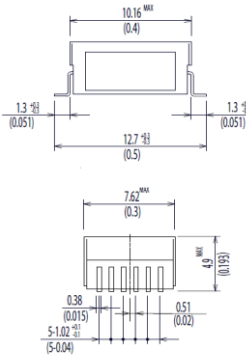
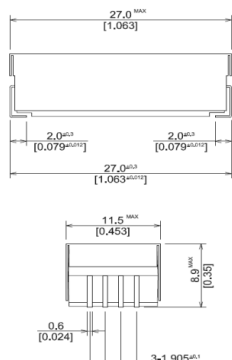


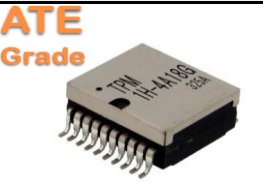
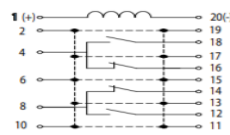
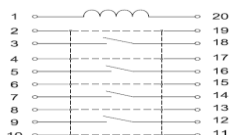
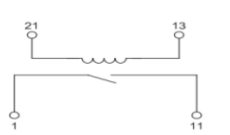
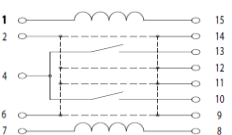
TPM Part / No.		2H-54WJ(3.3V) 2H-14WJ(5V)	2R-54J(3.3V) 2R-14J(5V)		9H-54J(3.3V) 9H-14J(5V)
SANYU Part / No.				CJ-E103RF(3.3V) CJ-E105RF(5V)	
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		7.95 x 3.8 x 3.6	7.95 x 4.6 x 3.6	9.1 x 4.6 x 3.6	9.1 x 3.8 x 3.6
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	1 Form A
	Coil Rating Voltage	3.3 V / 60Ω 5 V / 100Ω	3.3 V / 90Ω 5 V / 150Ω	3.3 V / 90Ω 5 V / 150Ω	3.3 V / 100Ω 5 V / 200Ω
	Contact Rating	3 W	3 W	10 W	10 W
	Contact Current	0.2 Amp	0.2 Amp	0.5 Amp	0.5 Amp
	Carry Current	0.2 Amp	0.2 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	100 VDC	100 VDC	100 VDC
	Contact Voltage	150 VDC	150 VDC	200 VDC	200 VDC
	Contact Resistance	200 mΩ	200 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹² Ω min.	10 ¹² Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.
	Operate Time	0.25 mS	0.25 mS	0.3 mS	0.3 mS
	Release Time	0.05 mS	0.05 mS	0.05 mS	0.05 mS
	Operating temperature				
	Reflow temperature		260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)
High-frequency response		7.0GHz @ -2dB	9.0GHz @ -3dB	7.0GHz @ -3dB	4.0GHz @ -3dB
外觀尺寸	DIMENSION				

TPM Part / No.		1H-54J(3.3V) 1H-14J(5V) 1H-24J(12V)	1D-14G(5V)	1EH-14G-63(5V)	1EH-12G1(5V)
SANYU Part / No.					
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		10.1 x 4.6 x 4.5	12.7 x 4.6 x 4.5	12.7 x 4.6 x 4.5	12.7 x 4.6 x 4.5
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	1 Form A
	Coil Rating Voltage	3.3 V / 80Ω 5 V / 150Ω 12 V / 500Ω	5 V / 150Ω	5 V / 200Ω	5 V / 250Ω
	Contact Rating	10 W	5 W	10 W	10 W
	Contact Current	0.5 Amp	0.2 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	0.75 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	50 VDC	100 VDC	100 VDC
	Contact Voltage	200 VDC	150 VDC	200 VDC	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹² Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.	10 ¹¹ Ω min.
	Operate Time	0.3 mS	0.3 mS	0.3 mS	0.3 mS
	Release Time	0.05 mS	0.05 mS	0.05 mS	0.05 mS
	Operating temperature				
	Reflow temperature	260 °C max for 60sec.	230 °C max for 10sec.	250 °C max for 40sec.	250 °C max for 40sec.
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)
High-frequency response		4.0GHz @ -3 dB	4.0GHz @ -3 dB	6.0GHz @ -3 dB	4.0GHz @ -3 dB
外觀尺寸	DIMENSION				

TPM Part / No.		17EH-1A12G-01(5V) 17EH-1A22G-01(12V)			10H-1A12G(5V) 10H-1A22G(12V)
SANYU Part / No.			MSG-105AKE(5V)	MSG-105AK(5V)	
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		18.4 x 5.0 x 5.0	20.4 x 4.6 x 5.3	20.4 x 4.5 x 4.9	20.4 x 4.5 x 4.9
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	1 Form A
	Coil Rating Voltage	5 V / 200Ω 12 V / 825Ω	5 V / 160Ω	5 V / 160Ω	5 V / 160Ω 12 V / 600Ω
	Contact Rating	30 W	10 W	10 W	30 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.3 Amp	1.0 Amp	1.0 Amp	1.3 Amp
	Switching Voltage	200 VDC	100 VDC	100 VDC	200 VDC
	Contact Voltage	300 VDC	200 VDC	200 VDC	300 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹² Ω min.	10 ¹² Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.
	Operate Time	0.4 mS	0.5 mS	0.5 mS	0.5 mS
	Release Time	0.2 mS	0.2 mS	0.3 mS	0.3 mS
	Operating temperature				
	Reflow temperature	245 °C max for 40sec.	230 °C max for 10sec.	230 °C max for 10sec.	260 °C max for 60sec.
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 1500×10⁶ (R負荷)	DC.1.0V,10mA 1000×10⁶ (R負荷)	DC.1.0V,10mA 1000×10⁶ (R負荷)	DC.1.0V,10mA 1500×10⁶ (R負荷)
High-frequency response		2.0GHz @ -3 dB	2.5GHz @ -3 dB	2.5GHz @ -3 dB	2.5GHz @ -3 dB
外觀尺寸	DIMENSION				

TPM Part / No.		1EH-2A52J(3.3V) 1EH-2A12J(5V) 1EH-2A22J(12V)		3H-2A56J(3.3V) 3H-2A16J(5V) 3H-2A26J(12V)	10H-2A12G(5V) 10H-2A22G(12V)
SANYU Part / No.			MG-E203AH(3.3V) MG-E205AH(5V) MG-E212AH(12V)		
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		10.1 x 5.0 x 8.2	12.7 x 6.7 x 4.9	10.8 x 6.7 x 5.1	20.4 x 7.0 x 4.9
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form A	2 Form A	2 Form A	2 Form A
	Coil Rating Voltage	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	5 V / 140Ω 12 V / 600Ω
	Contact Rating	10 W	10 W	10 W	30 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	1.0 Amp	1.3 Amp
	Switching Voltage	100 VDC	100 VDC	100 VDC	200 VDC
	Contact Voltage	200 VDC	200 VDC	200 VDC	300 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹¹ Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.	10 ¹² Ω min.
	Operate Time	0.5 mS	0.5 mS	0.5 mS	0.5 mS
	Release Time	0.5 mS	0.5 mS	0.5 mS	0.5 mS
	Operating temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 1500×10 ⁶ (R負荷)
High-frequency response		3.0GHz @ -3 dB	4.5GHz @ -3 dB	5.0GHz @ -3 dB	2.5GHz @ -3 dB
外觀尺寸	DIMENSION				

TPM Part / No.		190H-2A12J-80(5V)	1H-1T53G(3.3V) 1H-1T13G(5V) 1H-1T23G(12V)	3H-55G(3.3V) 3H-15G(5V) 3H-25G(12V)	190H-1T12J(5V) 190H-1T22J(12V) 190H-1T32J(24V)
SANYU Part / No.					
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		27.0 x 11.5 x 8.9	12.7 x 5.0 x 7.9	12.7 x 7.6 x 4.9	27.0 x 11.5 x 8.9
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form A	1 Form C (1A+1B)	1 Form C (1A+1B)	1 Form C (1A+1B)
	Coil Rating Voltage	5 V / 150Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	5 V / 150Ω 12 V / 800Ω 24 V / 3000Ω
	Contact Rating	50 W	10 W	10 W	50 W
	Contact Current	1.0 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	2.8 Amp	1.0 Amp	1.0 Amp	2.8 Amp
	Switching Voltage	350 VDC	100 VDC	100 VDC	350 VDC
	Contact Voltage	400 VDC	200 VDC	200 VDC	400 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹¹ Ω min.	10 ¹² Ω min.	10 ¹² Ω min.	10 ¹¹ Ω min.
	Operate Time	1.5 mS	0.5 mS	0.5 mS	1.5 mS
	Release Time	1.0 mS	0.5 mS	0.5 mS	1.5 mS
	Operating temperature				
	Reflow temperature	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)
High-frequency response		1.0GHz @ -3dB	3.0GHz @ -3 dB	3.5GHz @ -3 dB	1.0GHz @ -3dB
外觀尺寸 DIMENSION					

TPM Part / No.		1H-2T18G(5V) 1H-2T28G(12V)	1H-4A18G(5V) 1H-4A28G(12V)	113D-1A10N2G(5V) 113D-1A20N2G(12V)	1H-2M12G(5V) 1H-2M22G(12V)
SANYU Part / No.					
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		12.7 x 11.3 x 4.6	12.7 x 11.3 x 4.6	30.2 x 17.0 x 8.7	14.6 x 9.5 x 4.9
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form C (A+B)	4 Form A	1 Form A	2 Form A
	Coil Rating Voltage	5 V / 110Ω 12 V / 550Ω	5 V / 110Ω 12 V / 550Ω	5 V / 80Ω 12 V / 500Ω	5 V / 150Ω 12 V / 500Ω
	Contact Rating	10 W	10 W	100 W	10 W
	Contact Current	0.5 Amp	0.5 Amp	1.0 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	2.8 Amp	1.0 Amp
	Switching Voltage	100 VDC	100 VDC	1000 VDC	100 VDC
	Contact Voltage	200 VDC	200 VDC	3000 VDC	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹² Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.	10 ¹² Ω min.
	Operate Time	0.3 mS	0.3 mS	1.5 mS	0.5 mS
	Release Time	0.2 mS	0.2 mS	1.5 mS	0.5 mS
	Operating temperature				
	Reflow temperature	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)
High-frequency response		4.0GHz @ -3 dB	8.0GHz @ -3dB		2.0GHz @ -3dB
外觀尺寸 DIMENSION		