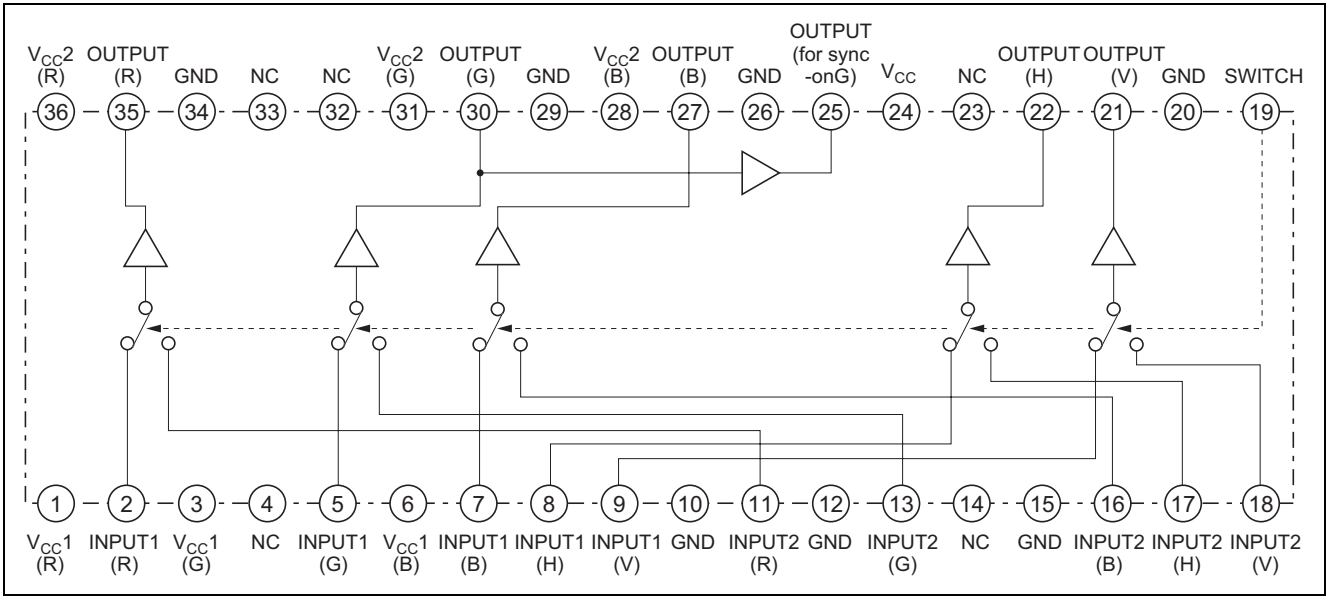
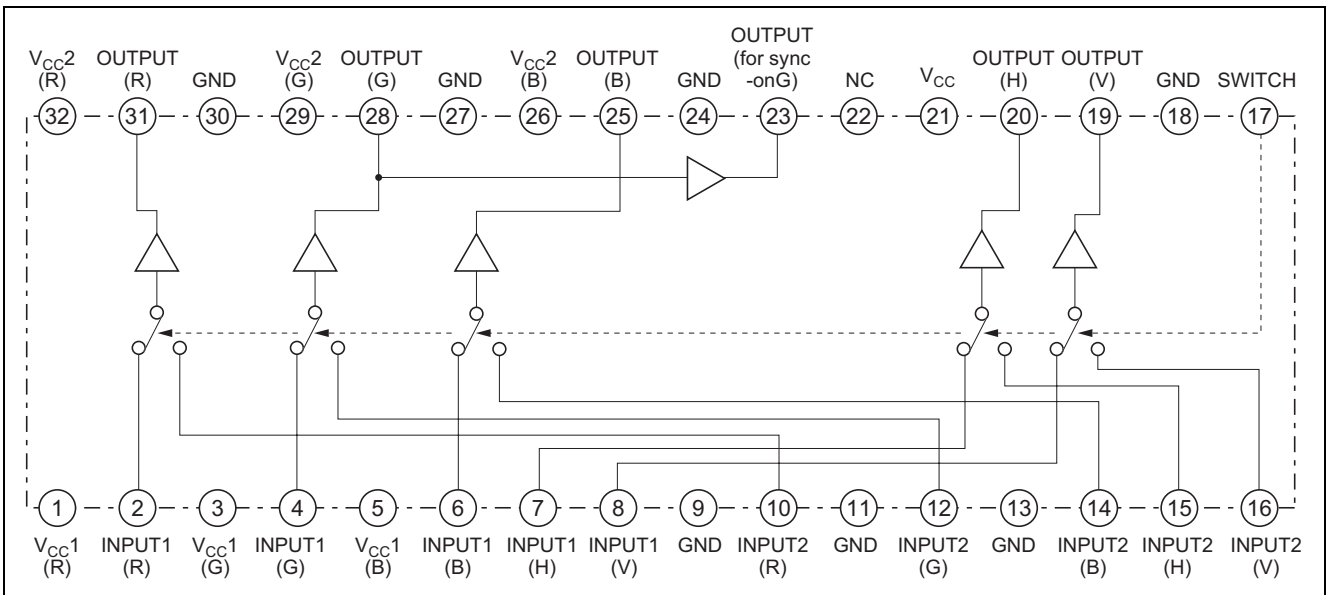


Block Diagram

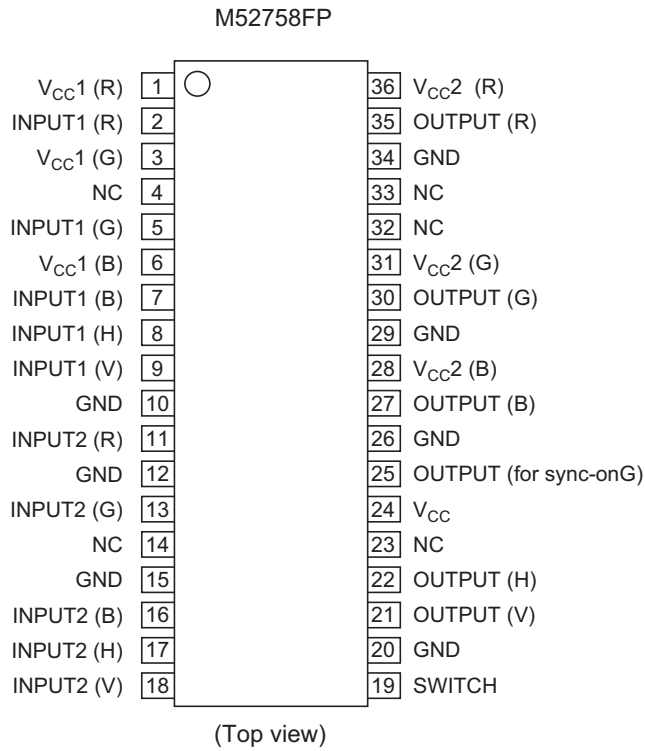
M52758FP



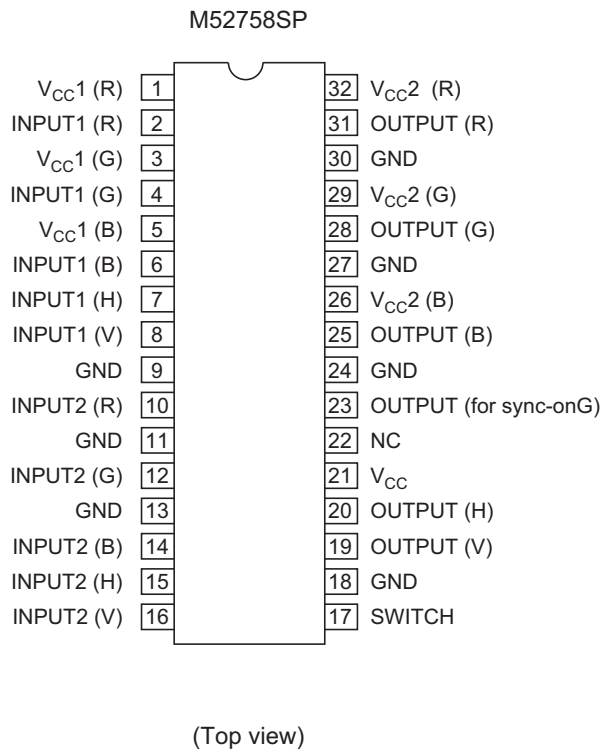
M52758SP



Pin Arrangement



Outline: PRSP0036GA-B (36P2R-D)



NC: No connection

Outline: PRDP0032BA-A (32P4B)

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Ratings	Unit
Supply voltage	V _{CC}	7.0	V
Power dissipation	P _d	1068 (FP) 1603 (SP)	mW
Ambient temperature	T _{opr}	-20 to +85	°C
Storage temperature	T _{stg}	-40 to +150	°C
Recommended supply voltage	V _{opr}	5.0	V
Recommended supply voltage range	V _{opr} '	4.75 to 5.5	V
Electrostatic discharge	Surge	±200	V

Electrical Characteristics

Pin No is FP (V_{CC} = 5 V, Ta = 25°C, unless otherwise noted)

Item	Symbol	Limits			Unit	Test Point (s)	V _{CC} (V)	Input											SW
		Min.	Typ.	Max.				V _{CC}	SW2 Rin1	SW5 Gin1	SW7 Bin1	SW8 Hin1	SW9 Vin1	SW11 Rin2	SW13 Gin2	SW16 Bin2	SW17 Hin2	SW18 Vin2	
Circuit current1 (no signal)	I _{CC1}	46	66	86	mA	A	5	b	b	b	b	b	b	b	b	b	b	b	b
Circuit current2 (no signal)	I _{CC2}	46	66	86	mA	A	5	b	b	b	b	b	b	b	b	b	b	b	a
(RGB SW)																			
Output DC voltage1	V _{DC1}	1.85	2.05	2.25	V	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	b	b	b	b	b	b	b
Output DC voltage2	V _{DC2}	1.85	2.05	2.25	V	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	b	b	b	b	b	b	a
Output DC voltage3	V _{DC3}	0.75	1.15	1.55	V	T.P.25	5	b	b	b	b	b	b	b	b	b	b	b	b
Output DC voltage4	V _{DC4}	0.75	1.15	1.55	V	T.P.25	5	b	b	b	b	b	b	b	b	b	b	b	a
Maximum allowable input1	V _{imax1}	2.0	2.4	—	VP-P	T.P.2 T.P.5 T.P.7	5	abb SG1	bab SG1	bba SG1	b	b	b	b	b	b	b	b	b
Maximum allowable input2	V _{imax2}	2.0	2.4	—	VP-P	T.P.11 T.P.13 T.P.16	5	b	b	b	b	b	abb SG1	bab SG1	bba SG1	b	b	b	a
Voltage gain1	G _{V1}	0.3	0.9	1.5	dB	T.P.35 T.P.30 T.P.27	5	abb SG2	bab SG2	bba SG2	b	b	b	b	b	b	b	b	b
Relative voltage gain1	ΔG _{V1}	-0.4	0	0.4	dB	Relative to measured values above													
Voltage gain2	G _{V2}	0.3	0.9	1.5	dB	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	abb SG2	bab SG2	bba SG2	b	b	b	a
Relative voltage gain2	ΔG _{V2}	-0.4	0	0.4	dB	Relative to measured values above													
Voltage gain3	G _{V3}	-0.4	0.2	0.8	dB	T.P.25	5	b	a SG2	b	b	b	b	b	b	b	b	b	b
Voltage gain4	G _{V4}	-0.4	0.2	0.8	dB	T.P.25	5	b	b	b	b	b	b	a SG2	b	b	b	b	a
Frequency characteristic1 (100 MHz)	F _{C1}	-1.0	0	1.0	dB	T.P.31 T.P.28 T.P.25	5	abb SG4	bab SG4	bba SG4	b	b	b	b	b	b	b	b	b
Relative frequency characteristic1 (100 MHz)	ΔF _{C1}	-1.0	0	1.0	dB	Relative to measured values above													
Frequency characteristic2 (100 MHz)	F _{C2}	-1.0	0	1.0	dB	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	abb SG4	bab SG4	bba SG4	b	b	b	a
Relative frequency characteristic2 (100 MHz)	ΔF _{C2}	-1.0	0	1.0	dB	Relative to measured values above													
Frequency characteristic3 (250 MHz)	F _{C3}	-3.0	-1.5	1.0	dB	T.P.35 T.P.30 T.P.27	5	abb SG5	bab SG5	bba SG5	b	b	b	b	b	b	b	b	b
Frequency characteristic4 (250 MHz)	F _{C4}	-3.0	-1.5	1.0	dB	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	abb SG5	bab SG5	bba SG5	b	b	b	a

Electrical Characteristics (cont.)

Item	Symbol	Limits			Unit	Test Point (s)	V _{CC} (V)		Input										SW						
		Min.	Typ.	Max.			V _{CC}	SW2 Rin1	SW5 Gin1	SW7 Bin1	SW8 Hin1	SW9 Vin1	SW11 Rin2	SW13 Gin2	SW16 Bin2	SW17 Hin2	SW18 Vin2	SW19 Switch							
Crosstalk between two inputs1 (10 MHz)	C.T.I.1	—	-60	-50	dB	T.P.35 T.P.30 T.P.27	5	abb SG3	bab SG3	bba SG3	b	b	b	b	b	b	b	b	b	b	b	b	b	a	
Crosstalk between two inputs2 (10 MHz)	C.T.I.2	—	-60	-50	dB	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	abb SG3	bab SG3	bba SG3	b	b	b	b	b	b	b	b	a	b
Crosstalk between two inputs3 (100 MHz)	C.T.I.3	—	-40	-35	dB	T.P.35 T.P.30 T.P.27	5	abb SG4	bab SG4	bba SG4	b	b	b	b	b	b	b	b	b	b	b	b	b	b	a
Crosstalk between two inputs4 (100 MHz)	C.T.I.4	—	-40	-35	dB	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	abb SG4	bab SG4	bba SG4	b	b	b	b	b	b	b	b	a	b
Crosstalk between channels1 (10 MHz)	C.T.C.1	—	-50	-40	dB	T.P.35 T.P.30 T.P.27	5	abb SG3	bab SG3	bba SG3	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b
Crosstalk between channels2 (10 MHz)	C.T.C.2	—	-50	-40	dB	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	abb SG3	bab SG3	bba SG3	b	b	b	b	b	b	b	b	b	a
Crosstalk between channels3 (100 MHz)	C.T.C.3	—	-30	-25	dB	T.P.35 T.P.30 T.P.27	5	abb SG4	bab SG4	bba SG4	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b
Crosstalk between channels4 (100 MHz)	C.T.C.4	—	-30	-25	dB	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	abb SG4	bab SG4	bba SG4	b	b	b	b	b	b	b	b	b	a
Pulse characteristic1	Tr1	—	1.6	2.5	ns	T.P.35 T.P.30 T.P.27	5	a SG6	a SG6	a SG6	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b
	Tf1	—	1.6	2.5	ns	T.P.35 T.P.30 T.P.27	5	a SG6	a SG6	a SG6	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b
Pulse characteristic2	Tr2	—	1.6	2.5	ns	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	a SG6	a SG6	a SG6	b	b	b	b	b	b	b	b	a	a
	Tf2	—	1.6	2.5	ns	T.P.35 T.P.30 T.P.27	5	b	b	b	b	b	a SG6	a SG6	a SG6	b	b	b	b	b	b	b	b	a	a
(HV SW)																									
High level output voltage1	V _{OH1}	4.5	0.5	—	dB	T.P.21 T.P.22	5	b	b	b	c 5.0 V	c 5.0 V	b	b	b	b	b	b	b	b	b	b	b	b	b
High level output voltage2	V _{OH2}	4.5	0.5	—	dB	T.P.21 T.P.22	5	b	b	b	b	b	b	b	b	c 5.0 V	c 5.0 V	b	b	b	b	b	b	a	a
Low level output voltage1	V _{OL1}	—	0.2	0.5	dB	T.P.21 T.P.22	5	b	b	b	c 0 V	c 0 V	b	b	b	b	b	b	b	b	b	b	b	b	b
Low level output voltage2	V _{OL2}	—	0.2	0.5	dB	T.P.21 T.P.22	5	b	b	b	b	b	b	b	b	c 0 V	c 0 V	b	b	b	b	b	b	a	a
Input selectional voltage1	V _{ith1}	1.4	1.8	2.0	dB	T.P.8 T.P.9	5	b	b	b	c Variable	c Variable	b	b	b	b	b	b	b	b	b	b	b	b	b
Input selectional voltage2	V _{ith2}	1.4	1.8	2.0	dB	T.P.17 T.P.18	5	b	b	b	b	b	b	b	b	c Variable	c Variable	b	b	b	b	b	b	a	a
Rising delay time1	Trd1	—	100	150	ns	T.P.21 T.P.22	5	b	b	b	a SG7	a SG7	b	b	b	b	b	b	b	b	b	b	b	b	b
Rising delay time2	Trd2	—	100	150	ns	T.P.21 T.P.22	5	b	b	b	b	b	b	b	b	a SG7	a SG7	b	b	b	b	b	b	a	a
Falling delay time1	Tfd1	—	50	100	ns	T.P.21 T.P.22	5	b	b	b	a SG7	a SG7	b	b	b	b	b	b	b	b	b	b	b	b	b
Falling delay time2	Tfd2	—	50	100	ns	T.P.21 T.P.22	5	b	b	b	b	b	b	b	b	a SG7	a SG7	b	b	b	b	b	b	a	a
Switching selectional voltage1	V _{sth1}	0.5	1.5	2.0	V	T.P.19	5	a SG1	a SG1	a SG1	a SG7	a SG7	b	b	b	b	b	b	b	b	b	b	b	c	c
Switching selectional voltage2	V _{sth2}	0.5	1.5	2.0	V	T.P.19	5	b	b	b	b	b	a SG1	a SG1	a SG1	a SG7	a SG7	b	b	b	b	b	b	c	c

Electrical Characteristics Test Method (Pin No is FP)

It omits the SW.No accorded with signal input pin because it is already written in Table.

SW A, SW1, SW3, SW5 is in side a if there is not defined specially.

I_{CC1}, I_{CC2}, Circuit Current (no signal)

The condition is shown as Table. Set SW19 to GND (or OPEN) and SW A to side b, measure the current by current meter A. The current is as I_{CC1} (I_{CC2}).

V_{DC1}, V_{DC2} Output DC Voltage

Set SW19 to GND (or OPEN), measure the DC voltage of T.P.35 (T.P.30, T.P.27) when there is no signal input. The DC voltage is as V_{DC1} (or V_{DC2}).

V_{DC3}, V_{DC4} Output DC Voltage

Measure the DC voltage of T.P.25 same as Table, the DC voltage is as V_{DC3} (or V_{DC4}).

V_{imax1}, V_{imax2} Maximum Allowable Input

Set SW19 to GND, SG1 as the input signal of pin 2. Rising up the amplitude of SG1 slowly, read the amplitude of input signal when the output waveform is distorted. The amplitude is as V_{imax1}. And measure V_{imax1} when SG2 as the input signal of pin 5, pin 7 in same way. Next, set SW to OPEN, measure V_{imax2} when SG2 as the input signal of pin 11, 13, 16.

G_{V1}, ΔG_{V1}, G_{V2}, ΔG_{V2}

1. The condition is shown as Table.
2. Set SW19 to GND, SG2 as the input signal of pin 2. At this time, read the amplitude output from T.P.35. The amplitude is as V_{OR1}.
3. Voltage gain G_{V1} is

$$G_{V1} = 20 \log \frac{V_{OR1} [V_{P-P}]}{0.7 [V_{P-P}]} \quad [\text{dB}]$$
4. The method as same as 2 and 3, measure the voltage gain G_{V1} when SG2 as the input signal of pin 5, 7.
5. The difference of each channel relative voltage gain is as ΔG_{V1}.
6. Set SW19 to OPEN, measure G_{V2}, ΔG_{V12} in the same way.

G_{V3}, G_{V4}, Voltage Gain

1. The condition is shown as Table. This test is by active probe.
2. Measure the amplitude output from T.P.25.
3. Measure the G_{V3}, G_{V4} by the same way as G_{V1}, ΔG_{V1}, G_{V2}, ΔG_{V2}.

F_{C1}, ΔF_{C1}, F_{C2}, ΔF_{C2}

1. The condition is shown as Table. This test is by active probe.
2. Set SW19 to GND, SG2 as the input signal of pin 2. Measure the amplitude output from T.P.35. The amplitude is as V_{OR1}. By the same way, measure the output when SG4 is as input signal of pin 2, the output is as V_{OR2}.
3. The frequency characteristic F_{C1} is

$$F_{C1} = 20 \log \frac{V_{OR2} [V_{P-P}]}{V_{OR1} [V_{P-P}]} \quad [\text{dB}]$$
4. The method as same as 2 and 3, measure the frequency F_{C1} when input signal to pin 5, 7.
5. The difference between of each channel frequency characteristic is as ΔF_{C1}.
6. Set SW19 to OPEN, measure F_{C2}, ΔF_{C2}.

F_{C3}, F_{C4} Frequency Characteristic

By the same way as Table measure the F_{C3}, F_{C4} when SG5 of input signal.

C.T.I.1, C.T.I.2 Crosstalk between Two Input

1. The condition is shown as Table. This test is by active prove.
2. Set SW19 to GND, SG3 as the input signal of pin 2. Measure the amplitude output from T.P.35. The amplitude is as V_{OR3} .
3. Set SW19 to OPEN, measure the amplitude output from T.P.35. The amplitude is as $V_{OR3'}$.
- 4 The crosstalk between two inputs C.T.I.1 is

$$C.T.I.1 = 20\log \frac{V_{OR3'} [V_{P-P}]}{V_{OR3} [V_{P-P}]} \quad [dB]$$

5. By the same way, measure the crosstalk between two inputs when SG3 as the input signal of pin 5, pin 7.
6. Next, set SW19 to OPEN, SG3 as the input signal of pin 11, measure the amplitude output from T.P.35. The amplitude is as V_{OR4} .
7. Set SW19 to GND, measure the amplitude output from T.P.35. The amplitude is as $V_{OR4'}$.
- 8 The crosstalk between two inputs C.T.I.2 is

$$C.T.I.2 = 20\log \frac{V_{OR4'} [V_{P-P}]}{V_{OR4} [V_{P-P}]} \quad [dB]$$

9. By the same way, measure the crosstalk between channels when SG3 as the input signal of pin 13, 16.

C.T.I.3, C.T.I.4 Crosstalk between Two Input

Set SG4 as the input signal, and then the same method as Table, measure C.T.I.3. C.T.I.4.

C.T.C.1, C.T.C.2 Crosstalk between Channel

1. The condition is as Table. This test is by active prove.
2. Set SW19 to GND, SG3 as the input signal of pin 2. Measure the amplitude output from T.P.35. The amplitude is as V_{OR5} .
3. Next, measure T.P.30, T.P.27 in the same state, and the amplitude is as V_{OG5} , V_{OB5} .
4. The crosstalk between channels C.T.C.1 is

$$C.T.C.1 = 20\log \frac{V_{OG5} \text{ or } V_{OB5}}{V_{OR5}} \quad [dB]$$

5. Measure the crosstalk between channels when SG3 is as the input signal of pin 5, pin 7.
6. Next, set SW19 to OPEN, SG3 as the input signal of pin 11, measure the amplitude output from T.P.35. The amplitude is as V_{OR6} .
7. Next, measure the amplitude output from T.P.30, T.P.27 in the same state. The amplitude is as V_{OG6} , V_{OB6} .
8. The crosstalk between channels C.T.C.2 is

$$C.T.C.2 = 20\log \frac{V_{OG6} \text{ or } V_{OB6}}{V_{OR6}} \quad [dB]$$

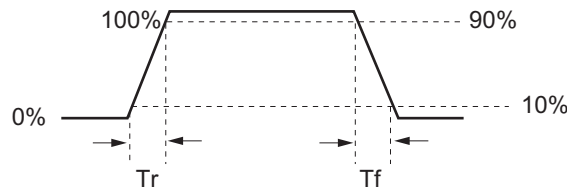
9. By the same way, measure the crosstalk between channels when input signal to pin 13, 16.

C.T.C.3, C.T.C.4 Crosstalk between Channel

Set SG4 as the input signal, and the same method as Table, measure C.T.C.3, C.T.C.4.

Tr1, Tf1, Tr2, Tf2 Pulse Characteristic

1. The condition is as Table. Set SW19 to GND (or OPEN).
2. The rising of 10% to 90% for input pulse is Tri, the falling of 10% to 90% for input pulse is Tfi.
3. Next, the rising of 10% to 90% for output pulse is Tro, the falling of 10% to 90% for output pulse is Tfo.
4. The pulse characteristic Tr1, Tf1 (Tr2, Tf2) is



$$Tr1 (Tr2) = \sqrt{(Tro)^2 - (Tri)^2} \quad (\text{ns})$$

$$Tf1 (Tf2) = \sqrt{(Tfo)^2 - (Tfi)^2} \quad (\text{ns})$$

V_{OH1}, V_{OH2} High Level Output Voltage

The condition is as Table. Set SW19 to GND (OPEN), input 5 V at input terminal. Measure the output voltage, the voltage is as V_{OH1} (V_{OH2}).

V_{OL1}, V_{OL2} Low Level Output Voltage

The condition is as Table. Set SW19 to GND (OPEN), input 0 V at input terminal. Measure the output voltage, the voltage is as V_{OL1} (V_{OL2}).

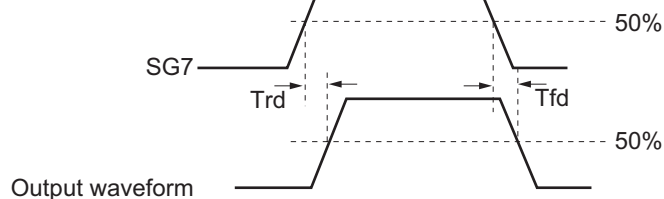
Vith1, Vith2 Input Selectional Voltage

The condition is as Table. Set SW19 to GND (OPEN), increasing gradually the voltage of input terminal from 0 V, measure the voltage of input terminal when output terminal is 4.5 V. The input voltage is as Vith1 (Vith2).

Trd1, Trd2 Rising Delay Time, Tfd1, Tfd2 Falling delay time

The condition is as Table. Set SW19 to GND (OPEN), SG7 is as the input signal of input terminal, measure the waveform of output.

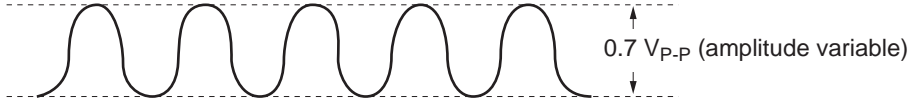
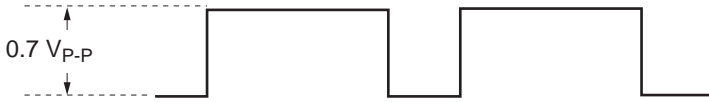

Rising delay time is as Trd1 (Trd2). Falling delay time is as Tfd1 (Tfd2). Reference to the Figure as shown below.



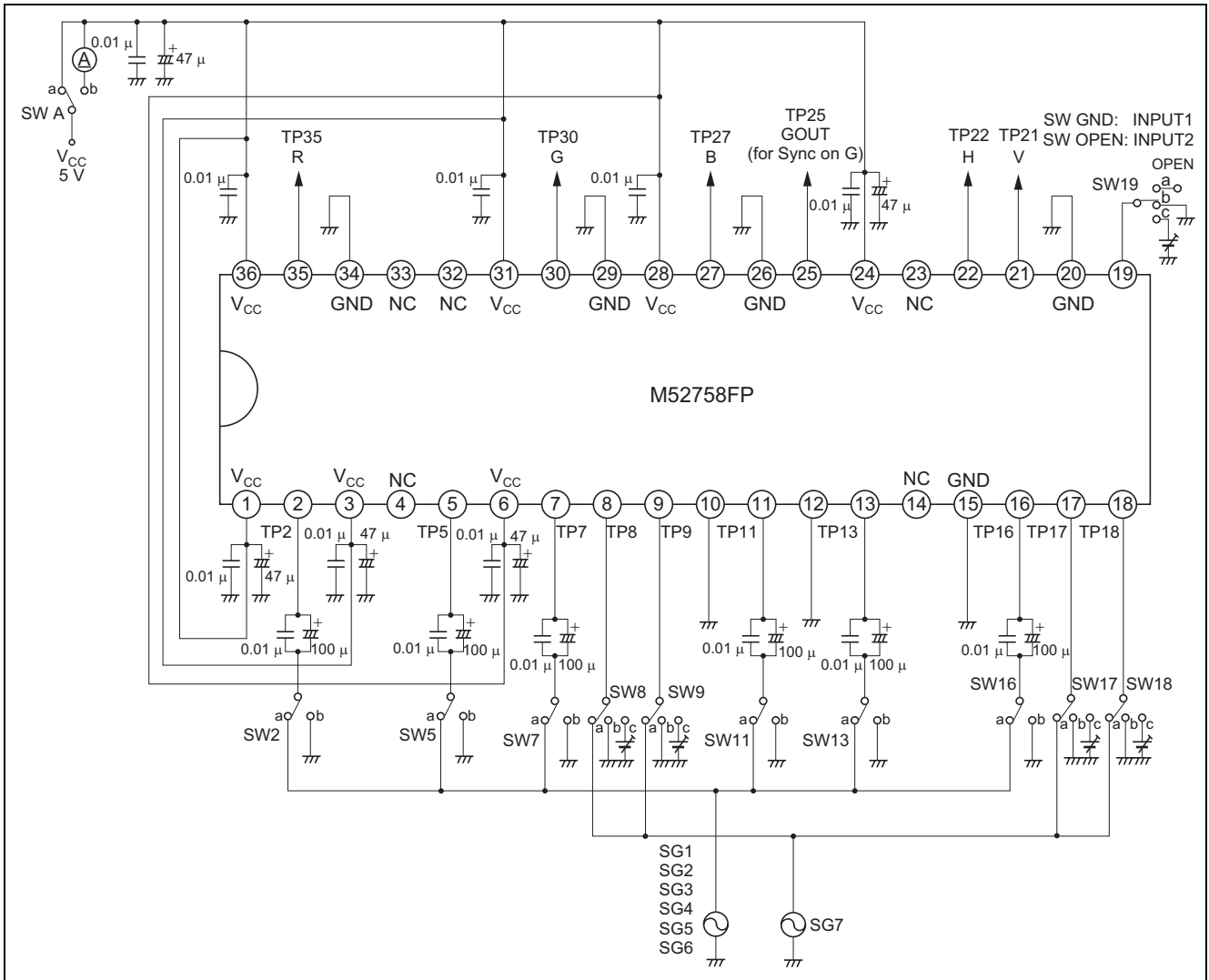
Vsth1, Vsth2 Switching Selectional Voltage

1. The condition is as Table. SG1 is as the input signal of pin 2, pin 5, pin 7, and SG7 is as the input signal of pin 8, pin 9. There is no input at another pins.
2. Input 0 V at pin 19, confirm that there are signals output from T.P.21, T.P.22, T.P.25, T.P.27, T.P.30, T.P.35.
3. Increase gradually the voltage of terminal pin 19. Read the voltage when there is no signal output from the terminals listed as above.
The voltage is as Vsth1.
4. SG1 as the input signal of pin 11, pin 13, pin 16, and SG7 as the input signal of pin 17, pin 18. There is no input at another pins.
5. Inputs 5 V at pin 19, confirm that there is no signal output from T.P.21, T.P.22, T.P.25, T.P.27, T.P.30, T.P.35.
6. Decreasing gradually the voltage of terminal pin 19. Read the voltage when there are signals output from the terminals listed as above. The voltage is as Vsth2.

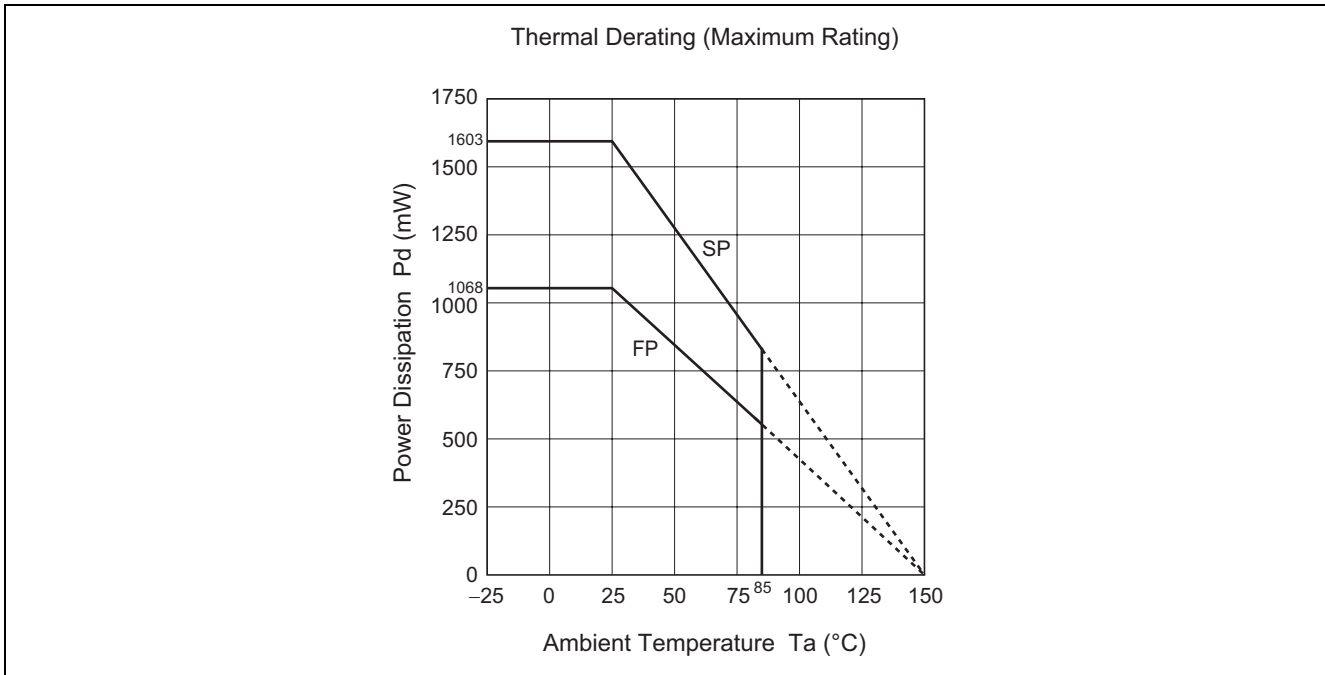
Input Signal

SG No.	Input Signal
SG1	Sine wave (f = 60 kHz, 0.7 V _{P-P} , amplitude variable) 
SG2	Sine wave (f = 1 MHz, amplitude 0.7 V _{P-P})
SG3	Sine wave (f = 10 MHz, amplitude 0.7 V _{P-P})
SG4	Sine wave (f = 100 MHz, amplitude 0.7 V _{P-P})
SG5	Sine wave (f = 250 MHz, amplitude 0.7 V _{P-P})
SG6	Pulse with amplitude 0.7 V _{P-P} (f = 60 kHz, duty 80%) 
SG7	Square wave (Amplitude 5.0 V _{O-P} TTL, f = 60 kHz, duty 50%) 

Test Circuit (FP)



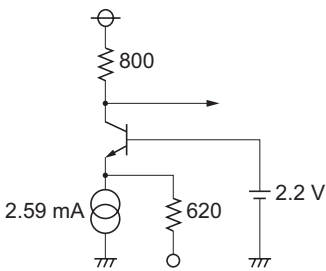
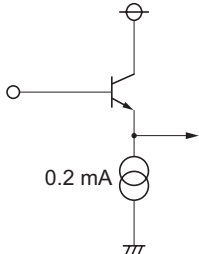
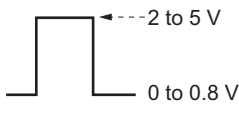
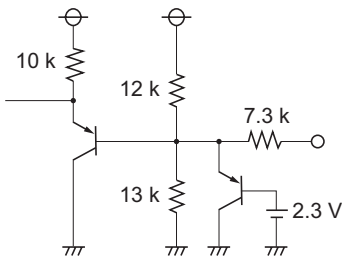
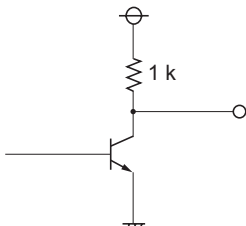
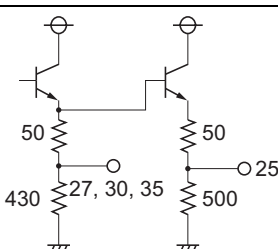
Typical Characteristics



Pin Description

Pin No. (FP)	Name	DC Voltage (V)	Peripheral Circuit	Function
1 3 6	V_{CC1} (R) V_{CC1} (G) V_{CC1} (B)	5.0	—	—
2 5 7	Input1 (R) Input1 (G) Input1 (B)	1.5		Input signal with low impedance
8 9	Input1 (H) Input1 (V)	—		Input pulse between 2 V and 5 V
10, 12, 15, 20, 26, 29, 34	GND	GND	—	—

Pin Description (cont.)

Pin No. (FP)	Name	DC Voltage (V)	Peripheral Circuit	Function
11 13 16	Input2 (R) Input2 (G) Input2 (B)	1.5		Input signal with low impedance.
17 18	Input2 (H) Input2 (V)	—		Input pulse between 2 V and 5 V. 
19	Switch	2.6		Switch by OPEN and GND.
21 22	Output (V) Output (H)	—		Output impedance is built-in
24	V _{CC} (H, V, Switch)	5	—	—
4, 14, 23, 32, 33	NC	—	—	—
25 27 30 35	Output (sync on G) Output (B) Output (G) Output (R)	1.15 2.05		Output impedance is built-in
28 31 36	V _{CC2} (R) V _{CC2} (G) V _{CC2} (B)	5	—	—

Note How to Use This IC (Pin No is FP)

1. R, G, B input signal is $0.7 V_{P-P}$ of standard video signal.
2. H, V input is 2.0 V (min.) TTL type.
3. Input signal with sufficient low impedance to input terminal.
4. The terminal of H, V output pin are shown as Figure 1. It is possible to reduce rise time by insert the resistor between V_{CC} line and H, V output pin, but set the value of resistor in order that the current is under 7.5 mA. Setting the value of R is more than $2 k\Omega$ as shown in Figure 1.

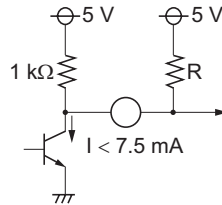


Figure 1

5. The terminal of R, G, B output pin (pin 27, 30, 35). It is possible to add a pull-up resistor according as drive ability. But set the value of resistor in order that the current is under 10 mA. Setting the value of R is more than 500Ω as shown in Figure 2.

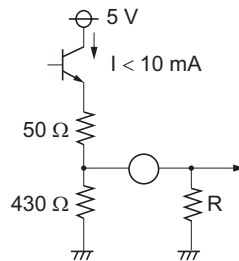


Figure 2

6. Switch (pin 19) can be changed when this terminal is GND or OPEN
 - When GND: Signal output from input 1
 - When OPEN: Signal output from input 2
 When the switch is being used as Figure 3
 - 0 to 0.5 V: Signal output from input 1
 - 2 to 5 V: Signal output from input 2
 It is not allowable to set voltage higher than V_{CC} .

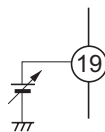


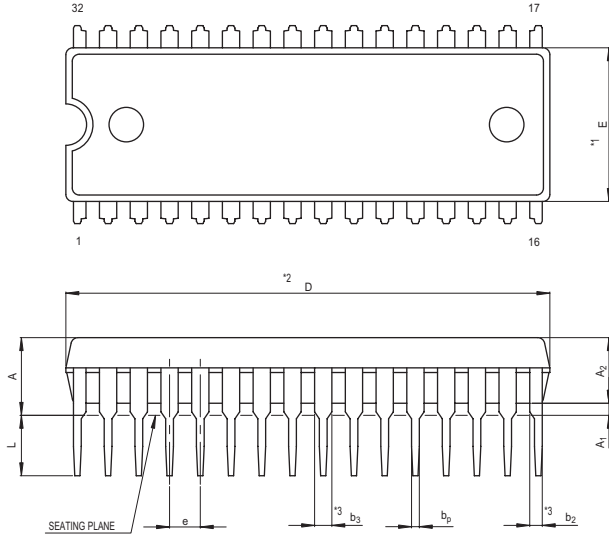
Figure 3

Notice of Making Printed Circuit Board

- Please notice following as shown below. It will maybe cause something oscillation because of the P.C.B. layout of the wide band analog switch.
- The distance between resistor and output pin is as short as possible when insert a output pull-down resistor.
- The capacitance of output terminal as small as possible.
- Set the capacitance between V_{CC} and GND near the pins if possible.
- Using stable power-source (if possible the separated power-source will be better).
- It will reduce the oscillation when add a resistor that is tens of ohms between output pin and next stage.
- Assign an area as large as possible for grounding.

Package Dimensions

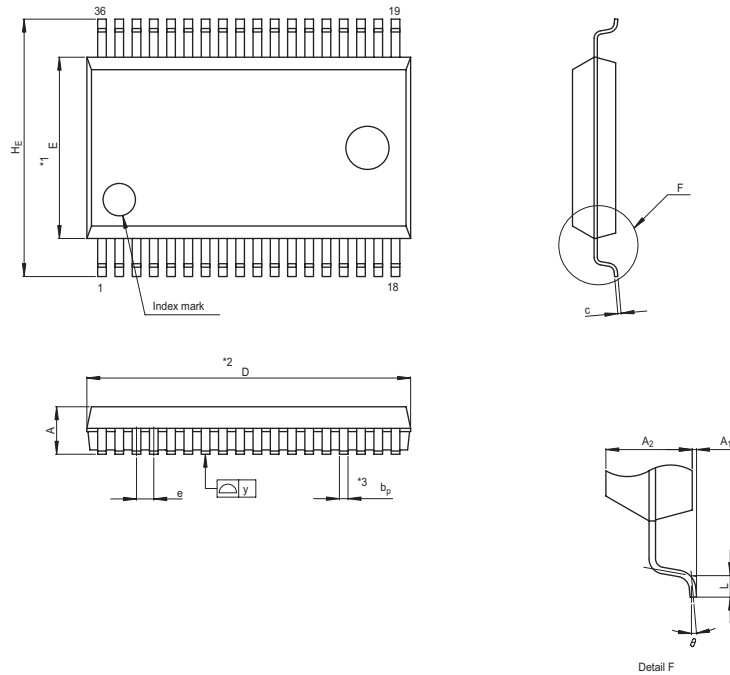
JEITA Package Code	RENESAS Code	Previous Code	MASS[Typ.]
P-SDIP32-8.9x28-1.78	PRDP0032BA-A	32P4B	2.2g



NOTE)
 1. DIMENSIONS **1* AND **2* DO NOT INCLUDE MOLD FLASH.
 2. DIMENSION **3* DOES NOT INCLUDE TRIM OFFSET.

Reference Symbol	Dimension in Millimeters		
	Min	Nom	Max
E ¹	9.86	10.16	10.46
D	27.8	28.0	28.2
E	8.75	8.9	9.05
A	—	—	5.08
A ₁	0.51	—	—
A ₂	—	3.8	—
b _p	0.35	0.45	0.55
b ₂	0.63	0.73	1.03
b ₃	0.9	1.0	1.3
c	0.22	0.27	0.34
θ	0°	—	15°
e	1.528	1.778	2.028
L	3.0	—	—

JEITA Package Code	RENESAS Code	Previous Code	MASS[Typ.]
P-SSOP36-8.4x15-0.80	PRSP0036GA-B	36P2R-D	0.5g



NOTE)
 1. DIMENSIONS **1* AND **2* DO NOT INCLUDE MOLD FLASH.
 2. DIMENSION **3* DOES NOT INCLUDE TRIM OFFSET.

Reference Symbol	Dimension in Millimeters		
	Min	Nom	Max
D	14.8	15.0	15.2
E	8.2	8.4	8.6
A ₂	—	2.05	—
A	—	—	2.35
A ₁	0	0.1	0.2
b _p	0.3	0.35	0.45
c	0.18	0.2	0.25
θ	0°	—	8°
H _E	11.63	11.93	12.23
e	0.65	0.8	0.95
y	—	—	0.10
L	0.3	0.5	0.7

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Renesas Technology America, Inc.

450 Holger Way, San Jose, CA 95134-1368, U.S.A
Tel: <1> (408) 382-7500, Fax: <1> (408) 382-7501

Renesas Technology Europe Limited

Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K.
Tel: <44> (1628) 585-100, Fax: <44> (1628) 585-900

Renesas Technology (Shanghai) Co., Ltd.

Unit 204, 205, AZIACenter, No.1233 Lujiazui Ring Rd, Pudong District, Shanghai, China 200120
Tel: <86> (21) 5877-1818, Fax: <86> (21) 6887-7898

Renesas Technology Hong Kong Ltd.

7th Floor, North Tower, World Finance Centre, Harbour City, 1 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Tel: <852> 2265-6688, Fax: <852> 2730-6071

Renesas Technology Taiwan Co., Ltd.

10th Floor, No.99, Fushing North Road, Taipei, Taiwan
Tel: <886> (2) 2715-2888, Fax: <886> (2) 2713-2999

Renesas Technology Singapore Pte. Ltd.

1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632
Tel: <65> 6213-0200, Fax: <65> 6278-8001

Renesas Technology Korea Co., Ltd.

Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea
Tel: <82> (2) 796-3115, Fax: <82> (2) 796-2145

Renesas Technology Malaysia Sdn. Bhd

Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia
Tel: <603> 7955-9390, Fax: <603> 7955-9510