

# FOR COLOR TFT LCD FOR AV APPLICATION

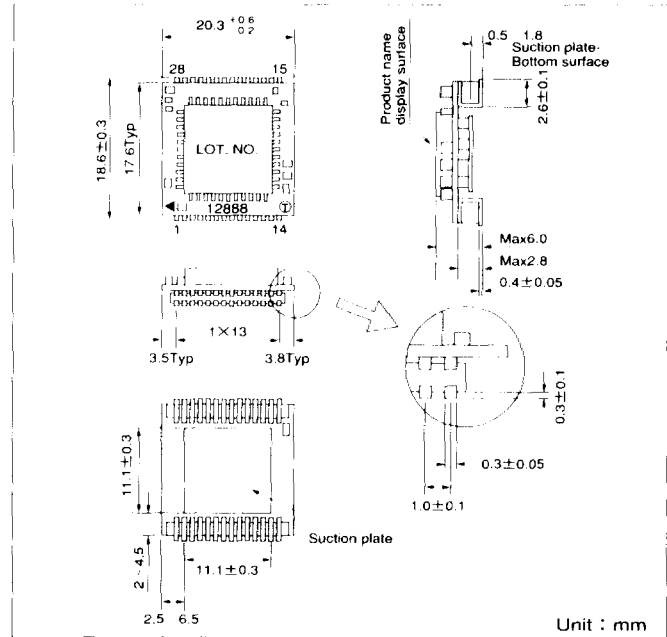
## Video Chroma Interface(SMD)

### FEATURES

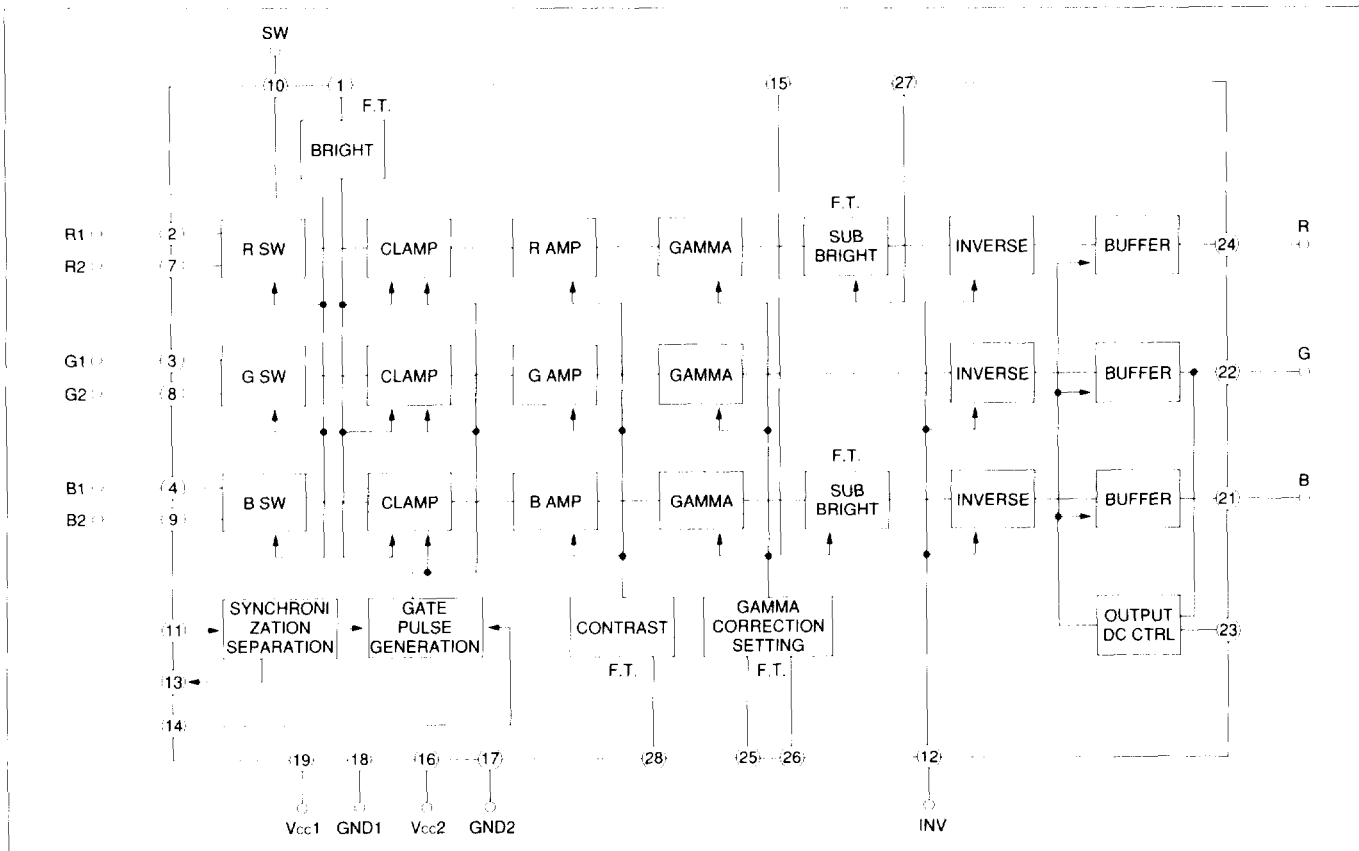
- This is a plane-assembled type hybrid IC which improves board design efficiency and enables high density integration of assembly board.
- It enables feeding using trays which can easily automate board assembly.
- It generates each RGB output signal corresponding to the LCD characteristics.
- The line-up includes various types corresponding to analog LCD(color TFT) for AV application.
- Functional trimming enables operation without adjustment of the set.
- It corrects for LCD application and outputs the  $\gamma$  characteristic signal adjusted for TV receiver.
- It can be used with Sharp TFT and Toshiba TFT LCD.

### APPLICATION

- TV telephone, TV conference system
- Pachinko unit (type equipped with color TFT)
- Color LCD TV (TFT)
- In-car LCD TV (TFT)
- Automobile navigation system
- Virtual reality
- Hand-held game
- Seat vision
- Other devices equipped with analog TFT(delta construction)



### BLOCK DIAGRAM



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## Video Chroma Interface (SMD)

### NAME AND FUNCTION OF THE TERMINAL

Terminal No.	Name	Function	Terminal No.	Name	Function
1	BRIGHT	Connection is open	15	B SUB BRIGH	Connection is open
2	R1 IN	R input terminal	16	Vcc2	
3	G1 IN	G input terminal	17	GND2	
4	B1 IN	B input terminal	18	GND1	Ground terminal
5	N. C		19	Vcc1	5V Power supply connection terminal
6	N. C		20	N. C	
7	R2 IN	R input terminal	21	B OUT	Primary color output corresponding with the inverted signal
8	G2 IN	G input terminal	22	G OUT	Primary color output corresponding with the inverted signal
9	B2 IN	B input terminal	23	OUT DC V DETECT	Connection is open
10	SW	Used to switch RGB input signal between 1 and 2. 1ch when L, and 2ch when H.	24	R OUT	Primary color output corresponding with the inverted signal
11	SY IN	Synchronization separation circuit input terminal (field signal is inputted)	25	GAMMA 1	Connection is open
12	INV	Inverted signal input	26	GAMMA 2	Connection is open
13	SYNC OUT	Synchronization signal output (this signal has been separated by the internal circuit)	27	R SUB BRIGHT	Connection is open
14	SYNC IN	Synchronization pulse input terminal (inputted with L: 0V, H: 3V)	28	CONTRAST	Connection is open

### TEST CIRCUIT DIAGRAM

