



**PIN ASSIGNMENT:**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VCC	VCI	GND	GND	CS	RS	WR	RD	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
DB8	DB9	DB10	DB11	DB12	DB13	DB14	DB15	DB16	DB17	RESET	BWS1	C86	NC	K	A

- NOTES:**
- ◇ : SPECIAL CHARACTERISTIC
  - + : SAFETY CHARACTERISTIC
  - ▽ : CRITICAL DIMENSION
  - (...) : REFERENCE DIMENSION

ISSUE	AMENDMENT	DATE
△	UPDATE DRAWING	05.12.14
△	UPDATE INFORMATION	05.12.15

DISPLAY TYPE	TFT, TRANSMISSIVE
DISPLAY RESOLUTION	262K COLOR
VIEWING ANGLE	240XRGBX320 DOTS
MUX RATIO	12 O' CLOCK
LCD CONTROLLER /DRIVER	1/320 DUTY HX8312A
LOGIC VOLTAGE	2.8V(TYP)
OPERATING TEMPERATURE	-20°C to +70°C
STORAGE TEMPERATURE	-20°C to +70°C
BACKLIGHT	LED05 COLOR: White WAVELENGTH: -- DRIVING VOLTAGE: ~12.3V. @15mA LUMINANCE(dcd/m²) Typ. 3000cd/m² (ON THE BACKLIGHT SURFACE) Max. 3300cd/m²

**TITLE: SPECIFICATION OF MODULE**  
**PROJECT NO: COG-T220MCQ-01**

TOLERANCE UNLESS OTHERWISE SPECIFIED: XX ±0.3  
 XXX ±0.1  
 DIMENSIONS IN MM ANGULAR ±1°  
 MATERIAL: N/A FINISH: N/A  
 SCALE: DIM NOT ON SCALE OVERALL THK: N/A

**THIRD ANGLE PROJECTION**

DRAWN:	CHAN KAM FAI	DATE	05.12.15
CHECKED:	KENNY KWOK		
APPROVED:	K.P.H		

**ITEM NO.: COG-T220MCQ-01**  
**DESCRIPTION: FOR MODULE COG-T220MCQ-01**  
**FILE NO: COG COG-T220MCQ-01 REV: 2**  
**SHEET 1 OF 1**



**VARRITRONIX LIMITED**