



EMPV-1202

mPCIe to VGA & 18/24bit LVDS Module

HIGHLIGHT FEATURES

- VGA output up to 1920 x 1080, up to 75Hz vertical rate
- LVDS resolution supports up to 1600 x 1200
- EMPV-1202-C1 supports 18 bit panel and 24 bit JEIDA LVDS
- EMPV-1202-C2 supports 24 bit VESA LVDS
- Allows for 90°, 180°, and 270° rotation of on-screen images
- 30μ" golden finger, 3-year warranty
- Industrial design. Manufactured in Innodisk Taiwan

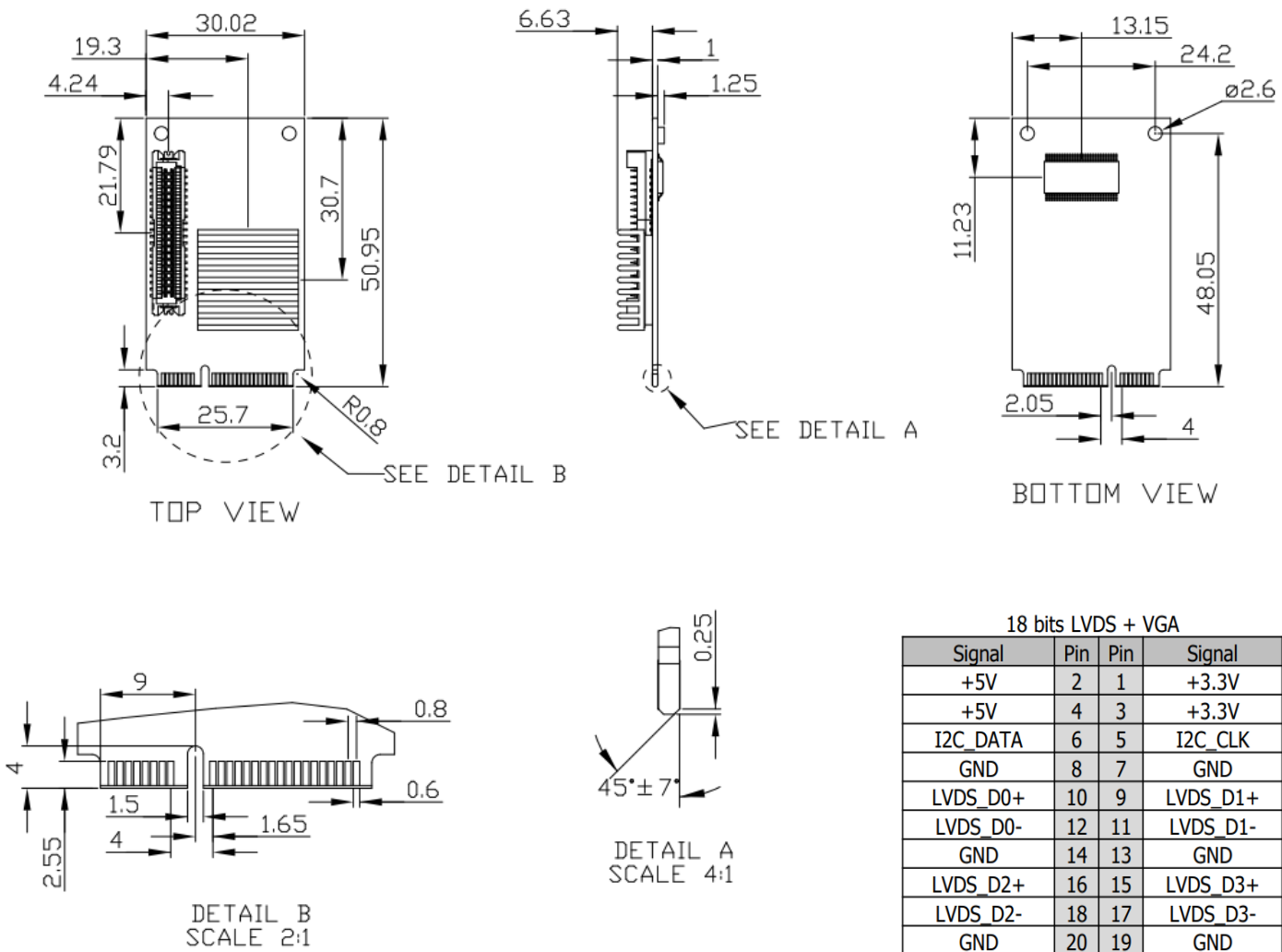
SPECIFICATIONS

Model Name	EMPV-1202
Module Type	mPCIe to VGA & 18/24bit LVDS Module
Form Factor	mPCIe
Function	Display
Input I/F	PCI Express 1.0 x1
Output I/F	1 x VGA 1 x 18/24bit LVDS (C1 for JEIDA, C2 for VESA)
Output Port	1
Output Connector	40-pin 1.25mm (40DP-1.25)
Max. Power Consumption	1.98W (3.3V, 600mA)
Dimension (W x L x H/mm)	50.95 x 30 x 8.45
Temperature	Operation : S/T 0° ~ 70°C (Ta) Storage : -55°C ~ 95°C (Ta)
Vibration	5G@[7~2000Hz]
Shock	50G@0.5ms
OS Support	Windows : XP (32 bit), 7 / 8 / 8.1 / 10 (32 / 64 bit), and above version Linux : Ubuntu 12.04 ~ 16.04 (32 / 64bit), Fedora 17 ~ 21 (32 / 64bit), CentOS / Redhat 6.5 (32 / 64bit) ~ 7.2 (64bit), up to Kernel 4.15
Warranty	3 Years
Notes	Need to connect external 5V power for LVDS panel.

ORDER INFO.

P/N	Description
EMPV-1202-C1	mPCIe to VGA & 18bit Panel and 24bit JEIDA LVDS Format Module / Standard Temperature
EMPV-1202-C2	mPCIe to VGA & 24bit VESA LVDS Format Module / Standard Temperature

MECHANICAL DRAWING



18 bits LVDS + VGA			
Signal	Pin	Pin	Signal
+5V	2	1	+3.3V
+5V	4	3	+3.3V
I2C_DATA	6	5	I2C_CLK
GND	8	7	GND
LVDS_D0+	10	9	LVDS_D1+
LVDS_D0-	12	11	LVDS_D1-
GND	14	13	GND
LVDS_D2+	16	15	LVDS_D3+
LVDS_D2-	18	17	LVDS_D3-
GND	20	19	GND
R_0	22	21	B_0
G_0	24	23	
GND	26	25	GND
H_Sync	28	27	DDC_SCL
V_Sync	30	29	DDC_SDA
GND	32	31	GND
LVDS_CLK+	34	33	
LVDS_CLK-	36	35	
GND	38	37	GND
	40	39	