

## 23 Series

USB Type-C 24 Pin Paddle Card Module w/  
EMIC Coaxial Single Side (HZAPRYIX)

### Ordering Information

23X42 - T1XAPYXX

Contact Area Plating:  
0: Gold Flash/Tin  
3: 30u"Gold Plated/Tin

24 Pin Deep Drawing Shell Plug  
9: Housing Color Black  
E: Housing Color White

### Specification of Paddle Card

#### □ Description:

1. DP-Alt 4-channel Redriver and DeMux (DP 2-ch and USB 2-ch)
2. Latency-free DisplayPort redriver for variable video frame rate control
3. DP1.4 (8.1 Gbps) and USB3.1 Gen 2 (10 Gbps) standard compliant
4. DP/USB mode selection: DP only, USB only, DP/USB split mode
5. Transparent DisplayPort Link training support with Nonblocking Linear redriver
6. EQ/Gain/Swing controlled signal outputs for each DisplayPort and USB modes
7. Auto power saving circuit
8. DisplayPort Main Lane automatic assignment and D3 sleep state control through Aux listening

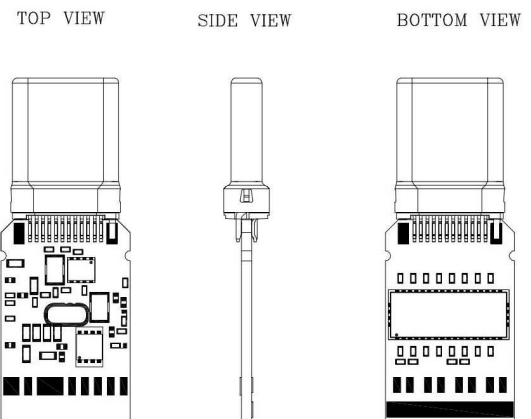
#### □ Features:

It supports the DP-Alt 1.4 (Max 10Gbps) Linear redriver and DP1.4(2-ch) / USB(2-ch) Crossbar DeMux. DP1.4 standard supports 4K2K@120Hz / 25.82 Gbps (no DSC) with 4-channels and 4K2K@60Hz / 12.54Gbps (no DSC) with 2-channels. Each of the DP1.4 and USB3.1 Gen2 differential signals can be easily adjustable with equalization, output swing and gain values by the pin control setting. It can optimize the DP/USB 10Gbps signal performance over a variety of physical mediums by reducing Inter-symbol interference jitters. Non-blocking Linear Redriver provides 2x better additive jitter performance than the other conventional CMOS ReDriver. Linear Equalization does not block the Receiver DFE's adaptive channel controls, supporting DisplayPort Transparent LT(Link Training) without dependency of the DP-Aux channels listener

❖The above ordering data is for our standard products.  
For Non-Standard products, please contact us.

### Drawing

#### 23X42-T1XAPYXX Series



A12	GND	B1	GND
A11	SSRXp2	B2	SSTXp2
A10	SSRXn2	B3	SSTXn2
A9	VBUS	B4	VBUS
A8	SBU1	B5	CC2
A7	Dn1	B6	
A6	Dp1	B7	
A5	CC1	B8	SBU2
A4	VBUS	B9	VBUS
A3	SSTXn1	B10	SSRXn1
A2	SSTXp1	B11	SSRXp1
A1	GND	B12	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME