

OpenVPXSM Backplane

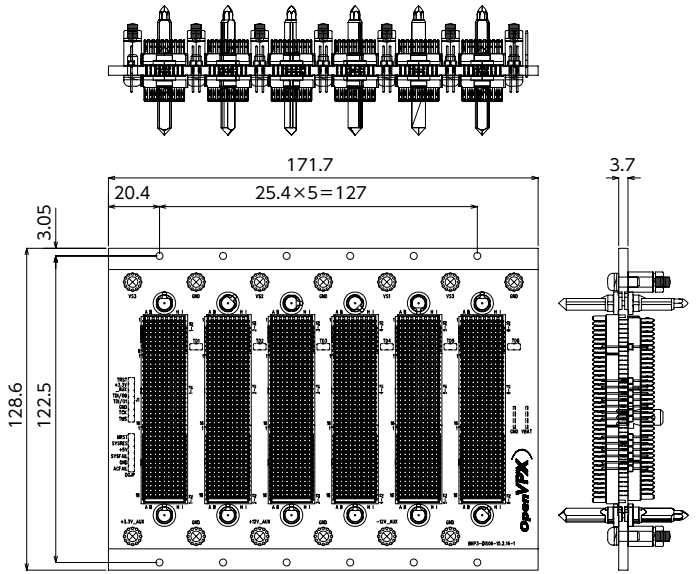
■特長

OPENVPX規格(VITA65、VITA46.0)に準拠した3U×6スロット(Payload×5、Switch×1)のバックプレーンです。

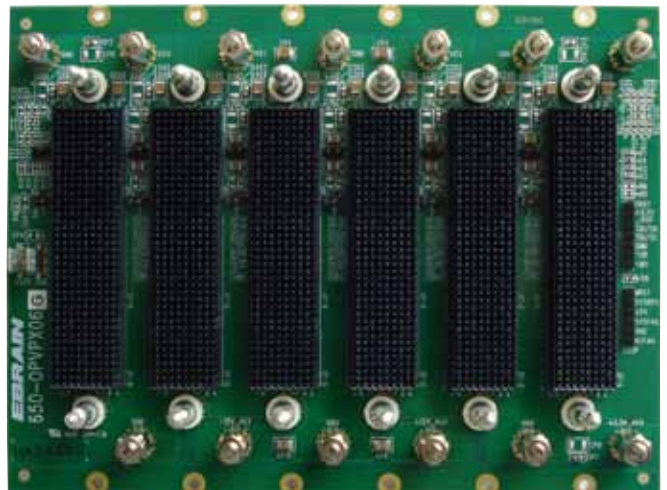
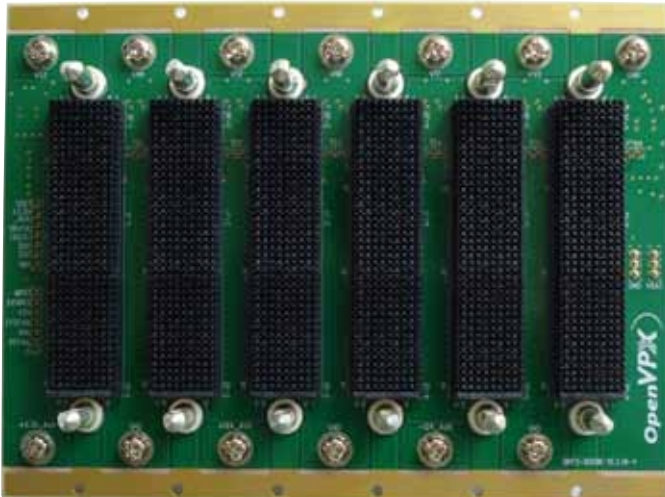
■仕様

- | | |
|---|---|
| 1.外形
171.7×128.6 | 4.インターコネクションダイアグラム
PO:Utility Plane |
| 2.基板仕様
材質:EL230
板厚:3.7
層数:12層 | P1 ;Data Plane - 2 Fat Pipes
;Control Plane - 2 Thin Pipes
P2 ;User Defined |
| 3.電源供給
Vs1:70A
Vs2:70A
Vs3:70A
GND:150A | 5.プロファイル
BKP3-DIS06-15.2.14-1
6.オーダーコード
650-OPVPX06-G |

■外形図



部品面視



■ Payload Slot ピンアサイン

J0	a	b	c	d	e	f	g	h	i
1	Vs2	Vs2	Vs2	Vs2	n.c	Vs1	Vs1	Vs1	Vs1
2	Vs2	Vs2	Vs2	Vs2	n.c	Vs1	Vs1	Vs1	Vs1
3	Vs3	Vs3	Vs3	Vs3	n.c	Vs3	Vs3	Vs3	Vs3
4	GND	NVMRO	SYSRESET	GND	-12V_AUX	GND	SM3	SM2	GND
5	GND	SM1	SM0	GND	3.3V_AUX	GND	GA4	GAP	GND
6	GND	GA0	GA1	GND	+12V_AUX	GND	GA2	GA3	GND
7	TRST	TMS	GND	GND	TDI	TDO	GND	GND	TCK
8	GND	GND	AUX_CLK+	AUX_CLK-	GND	GND	REF_CLK+	REF_CLK-	GND

J1	a	b	c	d	e	f	g	h	i
1	DP01-RD0+	DP01-RD0-	GND	GND	DP01-TD0+	DP01-TD0-	GND	GND	GDiscrete1
2	GND	GND	DP01-RD1+	DP01-RD1-	GND	GND	DP01-TD1+	DP01-TD1-	GND
3	DP01-RD2+	DP01-RD2-	GND	GND	DP01-TD2+	DP01-TD2-	GND	GND	P1-VBAT
4	GND	GND	DP01-RD3+	DP01-RD3-	GND	GND	DP01-TD3+	DP01-TD3-	GND
5	DP02-RD0+	DP02-RD0-	GND	GND	DP02-TD0+	DP02-TD0-	GND	GND	SYS-CON
6	GND	GND	DP02-RD1+	DP02-RD1-	GND	GND	DP02-TD1+	DP02-TD1-	GND
7	DP02-RD2+	DP02-RD2-	GND	GND	DP02-TD2+	DP02-TD2-	GND	GND	Reserved
8	GND	GND	DP02-RD3+	DP02-RD3-	GND	GND	DP02-TD3+	DP02-TD3-	GND
9	UD	UD	GND	GND	UD	UD	GND	GND	UD
10	GND	GND	UD	UD	GND	GND	UD	UD	GND
11	UD	UD	GND	GND	UD	UD	GND	GND	UD
12	GND	GND	UD	UD	GND	GND	UD	UD	GND
13	CPutp02-DA+	CPutp02-DA-	GND	GND	CPutp02-DB+	CPutp02-DB-	GND	GND	UD
14	GND	GND	CPutp02-DC+	CPutp02-DC-	GND	GND	CPutp02-DD+	CPutp02-DD-	GND
15	CPutp01-DA+	CPutp01-DA-	GND	GND	CPutp01-DB+	CPutp01-DB-	GND	GND	Maskable Reset
16	GND	GND	CPutp01-DC+	CPutp01-DC-	GND	GND	CPutp01-DD+	CPutp01-DD-	GND

J2	a	b	c	d	e	f	g	h	i
1	UD	UD	GND	GND	UD	UD	GND	GND	UD
2	GND	GND	UD	UD	GND	GND	UD	UD	GND
3	UD	UD	GND	GND	UD	UD	GND	GND	UD
4	GND	GND	UD	UD	GND	GND	UD	UD	GND
5	UD	UD	GND	GND	UD	UD	GND	GND	UD
6	GND	GND	UD	UD	GND	GND	UD	UD	GND
7	UD	UD	GND	GND	UD	UD	GND	GND	UD
8	GND	GND	UD	UD	GND	GND	UD	UD	GND
9	UD	UD	GND	GND	UD	UD	GND	GND	UD
10	GND	GND	UD	UD	GND	GND	UD	UD	GND
11	UD	UD	GND	GND	UD	UD	GND	GND	UD
12	GND	GND	UD	UD	GND	GND	UD	UD	GND
13	UD	UD	GND	GND	UD	UD	GND	GND	UD
14	GND	GND	UD	UD	GND	GND	UD	UD	GND
15	UD	UD	GND	GND	UD	UD	GND	GND	UD
16	GND	GND	UD	UD	GND	GND	UD	UD	GND

■ Switch Slot ピンアサイン

J0	a	b	c	d	e	f	g	h	i
1	Vs2	Vs2	Vs2	Vs2	n.c	Vs1	Vs1	Vs1	Vs1
2	Vs2	Vs2	Vs2	Vs2	n.c	Vs1	Vs1	Vs1	Vs1
3	Vs3	Vs3	Vs3	Vs3	n.c	Vs3	Vs3	Vs3	Vs3
4	GND	NVMRO	SYSRESET	GND	-12V_AUX	GND	SM3	SM2	GND
5	GND	SM1	SM0	GND	3.3V_AUX	GND	GA4	GAP	GND
6	GND	GA0	GA1	GND	+12V_AUX	GND	GA2	GA3	GND
7	TRST	TMS	GND	GND	TDI	TDO	GND	GND	TCK
8	GND	GND	AUX_CLK+	AUX_CLK-	GND	GND	REF_CLK+	REF_CLK-	GND

J1	a	b	c	d	e	f	g	h	i
1	DP01-DA+	DP01-DA-	GND	GND	DP01-DB+	DP01-DB-	GND	GND	GDiscrete1
2	GND	GND	DP01-DC+	DP01-DC-	GND	GND	DP01-DD+	DP01-DD-	GND
3	DP02-DA+	DP02-DA-	GND	GND	DP02-DB+	DP02-DB-	GND	GND	P1-VBAT
4	GND	GND	DP02-DC+	DP02-DC-	GND	GND	DP02-DD+	DP02-DD-	GND
5	DP03-DA+	DP03-DA-	GND	GND	DP03-DB+	DP03-DB-	GND	GND	SYS-CON
6	GND	GND	DP03-DC+	DP03-DC-	GND	GND	DP03-DD+	DP03-DD-	GND
7	DP04-DA+	DP04-DA-	GND	GND	DP04-DB+	DP04-DB-	GND	GND	Reserved
8	GND	GND	DP04-DC+	DP04-DC-	GND	GND	DP04-DD+	DP04-DD-	GND
9	DP05-DA+	DP05-DA-	GND	GND	DP05-DB+	DP05-DB-	GND	GND	UD
10	GND	GND	DP05-DC+	DP05-DC-	GND	GND	DP05-DD+	DP05-DD-	GND
11	DP06-DA+	DP06-DA-	GND	GND	DP06-DB+	DP06-DB-	GND	GND	UD
12	GND	GND	DP06-DC+	DP06-DC-	GND	GND	DP06-DD+	DP06-DD-	GND
13	DP07-DA+	DP07-DA-	GND	GND	DP07-DB+	DP07-DB-	GND	GND	UD
14	GND	GND	DP07-DC+	DP07-DC-	GND	GND	DP07-DD+	DP07-DD-	GND
15	DP08-DA+	DP08-DA-	GND	GND	DP08-DB+	DP08-DB-	GND	GND	Maskable Reset
16	GND	GND	DP08-DC+	DP08-DC-	GND	GND	DP08-DD+	DP08-DD-	GND

J2	a	b	c	d	e	f	g	h	i
1	DP09-DA+	DP09-DA-	GND	GND	DP09-DB+	DP09-DB-	GND	GND	UD
2	GND	GND	DP09-DC+	DP09-DC-	GND	GND	DP09-DD+	DP09-DD-	GND
3	DP010-DA+	DP010-DA-	GND	GND	DP010-DB+	DP010-DB-	GND	GND	UD
4	GND	GND	DP010-DC+	DP010-DC-	GND	GND	DP010-DD+	DP010-DD-	GND
5	DP011-DA+	DP011-DA-	GND	GND	DP011-DB+	DP011-DB-	GND	GND	UD
6	GND	GND	DP011-DC+	DP011-DC-	GND	GND	DP011-DD+	DP011-DD-	GND
7	DP012-DA+	DP012-DA-	GND	GND	DP012-DB+	DP012-DB-	GND	GND	UD
8	GND	GND	DP012-DC+	DP012-DC-	GND	GND	DP012-DD+	DP012-DD-	GND
9	DP013-DA+	DP013-DA-	GND	GND	DP013-DB+	DP013-DB-	GND	GND	UD
10	GND	GND	DP013-DC+	DP013-DC-	GND	GND	DP013-DD+	DP013-DD-	GND
11	DP014-DA+	DP014-DA-	GND	GND	DP014-DB+	DP014-DB-	GND	GND	UD
12	GND	GND	DP014-DC+	DP014-DC-	GND	GND	DP014-DD+	DP014-DD-	GND
13	DP015-DA+	DP015-DA-	GND	GND	DP015-DB+	DP015-DB-	GND	GND	UD
14	GND	GND	DP015-DC+	DP015-DC-	GND	GND	DP015-DD+	DP015-DD-	GND
15	DP016-DA+	DP016-DA-	GND	GND	DP016-DB+	DP016-DB-	GND	GND	UD
16	GND	GND	DP016-DC+	DP016-DC-	GND	GND	DP016-DD+	DP016-DD-	GND

■ バックプレーン配線構成

バックプレーン配線構成					
1 SLOT	2 SLOT	3 SLOT	4 SLOT	5 SLOT	6 SLOT
POWER Utility Signal	POWER Utility Signal	POWER Utility Signal	POWER Utility Signal	POWER Utility Signal	POWER Utility Signal

1 SLOT	2 SLOT	3 SLOT	4 SLOT	5 SLOT	6 SLOT
Payload Slots	Payload Slots	Payload Slots	Payload Slots	Payload Slots	Switch
DP1	DP1	DP1	DP1	DP1	Port1
					Port2
DP2	DP2	DP2	DP2	DP2	Port3
					Port4
User Defined Pins	User Defined Pins	User Defined Pins	User Defined Pins	User Defined Pins	Port5
					Port6
CP2 (⇒ Port5)	CP2 (⇒ Port7)	CP2 (⇒ Port9)	CP2 (⇒ Port11)	CP2 (⇒ Port13)	Port7
CP1 (⇒ Port6)	CP1 (⇒ Port8)	CP1 (⇒ Port10)	CP1 (⇒ Port12)	CP1 (⇒ Port14)	Port8

1 SLOT	2 SLOT	3 SLOT	4 SLOT	5 SLOT	6 SLOT
Payload Slots	Payload Slots	Payload Slots	Payload Slots	Payload Slots	Switch
					Port9
					Port10
					Port11
					Port12
User Defined Pins	User Defined Pins	User Defined Pins	User Defined Pins	User Defined Pins	Port13
					Port14
					Port15
					Port16

■ 製造・販売元

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