

1. Cable:

CONDUCTOR: 28AWG SOLID SILVER PLATED COPPER.
 INSULATION: FOAM POLYOLEFIN.
 PAIR: 2 SINGLES LAID FLAT AND PARALLEL.
 CORE: 8PAIRS
 PAIR DRAIN WIRE: 30AWG SOLID SILVER PLATED COPPER.
 PAIR SHIELD: ALUMINUM/POLYESTER TAPE. ALUMINUM SIDE FACING IN, 25% OVERLAP.
 INNER SHIELD: ALUMINUM/POLYESTER TAPE, ALUMINUM SIDE PACING OUT, 25% OVERLAP.
 OUTER SHIELD: 38AWG TIN PLATED COPPER BRAID, 85% COVERAGE.
 DIAMETER: 7.874mm . COLOR: BLACK.
 PRINT LEGEND: "MADISON CABLE CORP. TYPE CL2 75°C 28AWG (UL) TurboTwin™ RoHS COMPLIANT"
 DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR
 UL LISTING: TYPE CL2 AS SPECIFIED IN ARTICLE 725 OF THE NATIONAL ELECTRICAL CODE.


2. Connector:

P1,P2: 4x-Pluggable-QSFP(SFF-8436)
 (1) PCB: FR4, 4 Layers.(SPCB-040068A, AC Coupling)
 (2) Latch: Stainless Steel with Pull Tab.
 (3) Backshell- Zinc Die Casting Hood/ Nickel Plating.

3. For Infiniband DDR & QDR.

4. Two-Wire Serial Memory: Atmel AT24C02B EEPROM(256 Bytes), Digital monitoring & control function and memory page not supported.



△					Data	2012.01.31	Part No.	CAB-QSFP-28G-1	 ACE PLUS CORP.	
△					Design					
△					Check					Customer P/N
Revision	Data	Content	Confirm	Design	Confirm		DWG.No.	CAB-QSFP-28G-1	Version	1.0

Wiring Diagram

High Speed Signal				
P1(4x-Pluggable-QSFP)			P2(4x-Pluggable-QSFP)	
Pad	Signal		Pad	Signal
02	TX2n		21	RX2n
03	TX2p		22	RX2p
05	TX4n		24	RX4n
06	TX4p		25	RX4p
14	RX3p		33	TX3p
15	RX3n		34	TX3n
17	RX1p		36	TX1p
18	RX1n		37	TX1n
21	RX2n		02	TX2n
22	RX2p		03	TX2p
24	RX4n		05	TX4n
25	RX4p		06	TX4p
33	TX3p		14	RX3p
34	TX3n		15	RX3n
36	TX1p		17	RX1p
37	TX1n		18	RX1n
GND Group	GND		GND Group	GND
GND Group 01,04,07,13,16,19 20,23,26,32,35,38			GND Group 01,04,07,13,16,19 20,23,26,32,35,38	
Connector Shell			Connector Shell	

*DC Blocking Caps on Rx Side.

Low Speed Signal & Power			
P1(4x-Pluggable-QSFP)			
Pad	SIGNAL		
08	ModSelL		Vcc
09	ResetL		Vcc
10	VccRx		N.C.
11	SCL		Serial EEPROM
12	SDA		Serial EEPROM
27	ModPrsL		GND
28	IntL		Vcc
29	VccTx		Vcc
30	Vcc1		Vcc
31	LPMode		N.C.

Low Speed Signal & Power			
P2(4x-Pluggable-QSFP)			
Pad	Signal		
08	ModSelL		Vcc
09	ResetL		Vcc
10	VccRx		N.C.
11	SCL		Serial EEPROM
12	SDA		Serial EEPROM
27	ModPrsL		GND
28	IntL		Vcc
29	VccTx		Vcc
30	Vcc1		Vcc
31	LPMode		N.C.



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