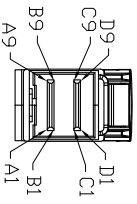
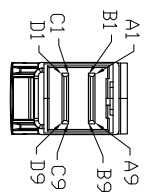
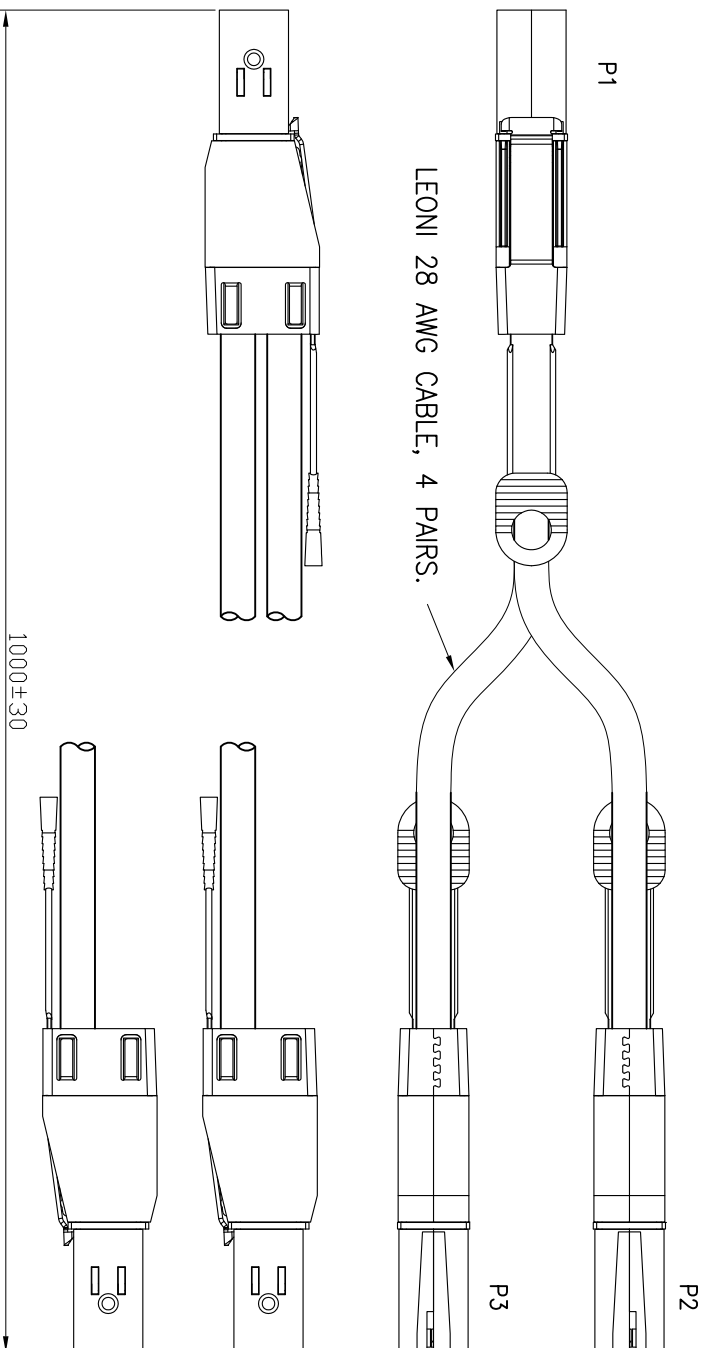


REV.	1	2	3	4	5	6	7	8	9
REMARK									
DATE									
SIGN.									

**ROHS**



**MATERIAL ROHS COMPLIANT:**

- 1. CABLE:**  
 CONDUCTOR: 28 AWG SOLID SILVER PLATED COPPER.  
 INSULATION: SKIN-FOAM-SKIN  
 PAIR: 2 WIRES, WH AND YE PARALLEL.  
 CORE: 4 PAIRS  
 PAIR DRAIN WIRE: Ø0.25 mm TINNED COPPER.  
 PAIR SHIELD: ALUMINIUM FOIL OVERLAPPED, ALU INSIDE.  
 INNER SHIELD: ALUMINUM FOIL OVERLAPPED, APPLIED LONGITUDINALLY.  
 OUTER SHIELD: 38 AWG TINNED COPPER BRAID, 85% COVERAGE.  
 DIAMETER: 5.6 ± 0.2 mm  
 PRINT LEGEND: "LEONI High Speed Cables Paralink®-11 100Ω 4pairs 28AWG (shielded) (UL) E116441 CL2 75°C"  
 DIFFERENTIAL IMPEDANCE: 100±5 OHM.

**2. CONNECTOR:**

- P1,P2,P3: Mini SAS HD 4x Cable Plug (SFF-8644)  
 (1) P.C.B: 6 LAYERS, 30U" GOLD PLATING ON CONTACT PADS.  
 (2) LATCH: STAINLESS STEEL  
 (3) BACKSHELL- ZINC DIE CASTING HOOD/ NICKEL PLATING  
 (4) PULL TAB: NYLON UL94V-0, COLOR: BLUE.  
 (5) EMI CONDUCTIVE GASKET.

- 3.FOR SAS 6.0 Gbps.  
 4.TWO-WIRED SERIAL MEMORY: ATMEL AT24C02B EEPROM (256 BYTES).

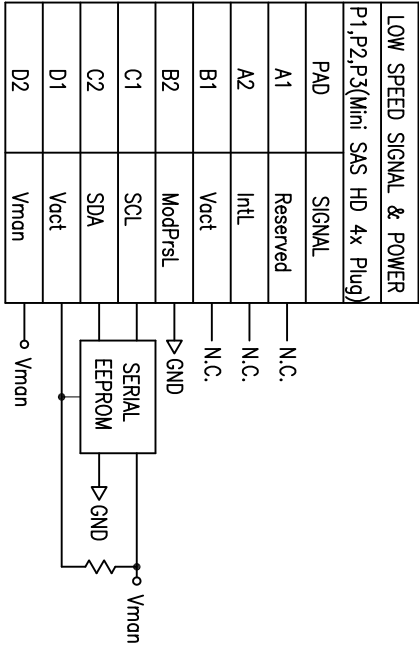
A	ATL TECHNOLOGY		DESC.	Mini SAS HD 4x/Mini SAS HD 4x*2 CABLE ASS'Y	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm	A
	1	2	P/N	B-3542	CUSTOMER P/N		Sino		DATE	04/07/11	DWG NO:	DWG \B\3542	
B	<p><b>3.FOR SAS 6.0 Gbps.</b>  <b>4.TWO-WIRED SERIAL MEMORY: ATMEL AT24C02B EEPROM (256 BYTES).</b></p>												
C	<p><b>2.CONNECTOR:</b>  P1,P2,P3: Mini SAS HD 4x Cable Plug (SFF-8644)  (1) P.C.B: 6 LAYERS, 30U" GOLD PLATING ON CONTACT PADS.  (2) LATCH: STAINLESS STEEL  (3) BACKSHELL- ZINC DIE CASTING HOOD/ NICKEL PLATING  (4) PULL TAB: NYLON UL94V-0, COLOR: BLUE.  (5) EMI CONDUCTIVE GASKET.</p>												
D	<p><b>1. CABLE:</b>  CONDUCTOR: 28 AWG SOLID SILVER PLATED COPPER.  INSULATION: SKIN-FOAM-SKIN  PAIR: 2 WIRES, WH AND YE PARALLEL.  CORE: 4 PAIRS  PAIR DRAIN WIRE: Ø0.25 mm TINNED COPPER.  PAIR SHIELD: ALUMINIUM FOIL OVERLAPPED, ALU INSIDE.  INNER SHIELD: ALUMINUM FOIL OVERLAPPED, APPLIED LONGITUDINALLY.  OUTER SHIELD: 38 AWG TINNED COPPER BRAID, 85% COVERAGE.  DIAMETER: 5.6 ± 0.2 mm  PRINT LEGEND: "LEONI High Speed Cables Paralink®-11 100Ω 4pairs 28AWG (shielded) (UL) E116441 CL2 75°C"  DIFFERENTIAL IMPEDANCE: 100±5 OHM.</p>												
E	<p><b>MATERIAL ROHS COMPLIANT:</b></p>												
F	<p><b>ROHS</b></p>												

1	2	3	4	5	6	7	8	9
REV.	REMARK	DATE	SIGN.					

**WIRING DIAGRAM**

HIGH SPEED SIGNAL			
P1(Mini SAS HD 4x Plug)	SIGNAL	Mini SAS HD 4x Plug	PAD
B4	RX0+	TX0+	D4
B5	RX0-	TX0-	D5
D4	TX0+	RX0+	B4
D5	TX0-	RX0-	B5
A4	RX1+	TX1+	C4
A5	RX1-	TX1-	C5
C4	TX1+	RX1+	A4
C5	TX1-	RX1-	A5
B7	RX2+	TX0+	D4
B8	RX2-	TX0-	D5
D7	TX2+	RX0+	B4
D8	TX2-	RX0-	B5
A7	RX3+	TX1+	C4
A8	RX3-	TX1-	C5
C7	TX3+	RX1+	A4
C8	TX3-	RX1-	A5

LOW SPEED SIGNAL & POWER			
P1,P2,P3(Mini SAS HD 4x Plug)	SIGNAL	PAD	
	Reserved	A1	
	IntL	A2	
	Vact	B1	
	ModPrsl	B2	
	SCL	C1	
	SDA	C2	
	Vact	D1	
	Vmnan	D2	



GND GROUP 1:  
P1-A3,A6,A9,B3,B6,B9, P2,P3-C3,C6,C9,D3,D6,D9

GND GROUP 2:  
P1-C3,C6,C9,D3,D6,D9, P2,P3-A3,A6,A9,B3,B6,B9

P1 Connector Shell

P2,P3 Connector Shell

A	DESC.		Mini SAS HD 4x/Mini SAS HD 4x*2 CABLE ASS'Y	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	UNIT
	P/N	B-3542	CUSTOMER P/N			Sino	*	04/07/11	mm
B	P1 Connector Shell		P2,P3 Connector Shell						
C	P1 Connector Shell		P2,P3 Connector Shell						
D	P1 Connector Shell		P2,P3 Connector Shell						
E	P1 Connector Shell		P2,P3 Connector Shell						
F	P1 Connector Shell		P2,P3 Connector Shell						



ATL TECHNOLOGY

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DATE 04/07/11 DWG NO: DWG\B\3542

