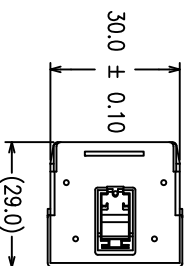


REVISION RECORD		
REV.	ECR/ECN/ECO NUMBER	DATE
A	ECO-0037298	04/11/11
B	ECO-0037543	18/11/11

Technical drawing of a cable assembly. The drawing shows a top view of the cable with various dimensions and callouts. The total length is indicated as "LENGTH" with a triangle symbol. The cable has a central section with a label that reads: #9568-AXXXX05-XX, VENDOR ID: 0000, LOT #: 111111. The cable is terminated with connectors at both ends. Dimensions include: 6.37 ± 0.13 (connector width), 30 ± 3 (cable width), 1.75 ± 0.15 (cable width), and 6.37 ± 0.13 (connector width). Callouts include B1, A1, B34, A34, P1, P2, and A.



8 F 68 - AA X X 05 - X.XX

- PINOUT (SEE PINOUTS ON SHEET 2)

- LENGTH IN METERS

CABLE USED

G : 4-LANE WITH SIDEBANDS, SN-PLATED SIGNAL, CABLE P/N SL8801/12-21DA5-00
J : 4-LANE WITH SIDEBANDS, AG-PLATED SIGNAL, CABLE P/N SL8801/12-20DA5-00
* FOR CABLES WITHOUT SIDEBANDS OR OTHER CONFIGURATIONS, PLEASE CONTACT A 3M REPRESENTATIVE.

UNIT: MM	DATE		DIVISION		STATUS
GEN. TOLERANCES	DTG	KOK HOE LEE	ESD		RELEASED
LINEAR	CHKD	YUNJONG QIAO	MODEL		
.0 = ±0.25	APPLY	SAJJIT BANDHU	DATE		
.00 = ±0.15	THIS DOCUMENT CONTAINS INFORMATION WHICH IS PREPARED TO SAY OR MAKE NO REPRESENTATION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M.				
.000 = ±0.05					
ANGLE ±1°					
PROJECTION	INTERPRET PER ASME Y14.5M-1994		TITLE		
	SIZE	DRAWING NO.	INTERNAL 68P MINISAS RIBBON TWINAX		
	A3	78-5100-2450-4	CABLE ASSEMBLY		
	SCALE: NTS		DET LIST		YES
			NO		SHT 1 of 2

3M™ HIGH ROUTABILITY INTERNAL MINISAS CABLE ASSEMBLY, 8F68 SERIES

REVISION RECORD		
REV.	ECR/ECN/ECO NUMBER	DATE
REFER TO SHEET 1 OF 2		

PINOUT 1

BACKPLANE-TO-CONTROLLER

P1		P2		P1		P2	
A1	GND	B1	GND	B1	GND	A1	GND
A2	Rx_0+	B2	Tx_0+	B2	Tx_0+	A2	Rx_0+
A3	Rx_0-	B3	Tx_0-	B3	Tx_0-	A3	Rx_0-
A4	GND	B4	GND	B4	GND	A4	GND
A5	Rx_1+	B5	Tx_1+	B5	Tx_1+	A5	Rx_1+
A6	Rx_1-	B6	Tx_1-	B6	Tx_1-	A6	Rx_1-
A7	GND	B7	GND	B7	GND	A7	GND
A8	Rx_2+	B8	Tx_2+	B8	Tx_2+	A8	Rx_2+
A9	Rx_2-	B9	Tx_2-	B9	Tx_2-	A9	Rx_2-
A10	GND	B10	GND	B10	GND	A10	GND
A11	Rx_3+	B11	Tx_3+	B11	Tx_3+	A11	Rx_3+
A12	Rx_3-	B12	Tx_3-	B12	Tx_3-	A12	Rx_3-
A13	GND	B13	GND	B13	GND	A13	GND
A14	SIDEBAND	B14	SIDEBAND	B14	SIDEBAND	A14	SIDEBAND
A15	SIDEBAND	B15	SIDEBAND	B15	SIDEBAND	A15	SIDEBAND
A16	SIDEBAND	B16	SIDEBAND	B16	SIDEBAND	A16	SIDEBAND
A17	SIDEBAND	B17	SIDEBAND	B17	SIDEBAND	A17	SIDEBAND
A18	SIDEBAND	B18	SIDEBAND	B18	SIDEBAND	A18	SIDEBAND
A19	SIDEBAND	B19	SIDEBAND	B19	SIDEBAND	A19	SIDEBAND
A20	SIDEBAND	B20	SIDEBAND	B20	SIDEBAND	A20	SIDEBAND
A21	SIDEBAND	B21	SIDEBAND	B21	SIDEBAND	A21	SIDEBAND
A22	GND	B22	GND	B22	GND	A22	GND
A23	Rx_4+	B23	Tx_4+	B23	Tx_4+	A23	Rx_4+
A24	Rx_4-	B24	Tx_4-	B24	Tx_4-	A24	Rx_4-
A25	GND	B25	GND	B25	GND	A25	GND
A26	Rx_5+	B26	Tx_5+	B26	Tx_5+	A26	Rx_5+
A27	Rx_5-	B27	Tx_5-	B27	Tx_5-	A27	Rx_5-
A28	GND	B28	GND	B28	GND	A28	GND
A29	Rx_6+	B29	Tx_6+	B29	Tx_6+	A29	Rx_6+
A30	Rx_6-	B30	Tx_6-	B30	Tx_6-	A30	Rx_6-
A31	GND	B31	GND	B31	GND	A31	GND
A32	Rx_7+	B32	Tx_7+	B32	Tx_7+	A32	Rx_7+
A33	Rx_7-	B33	Tx_7-	B33	Tx_7-	A33	Rx_7-
A34	GND	B34	GND	B34	GND	A34	GND

PINOUT 3

BACKPLANE-TO-CONTROLLER (NO SIDEBANDS)

P1		P2		P1		P2	
A1	GND	B1	GND	B1	GND	A1	GND
A2	Rx_0+	B2	Tx_0+	B2	Tx_0+	A2	Rx_0+
A3	Rx_0-	B3	Tx_0-	B3	Tx_0-	A3	Rx_0-
A4	GND	B4	GND	B4	GND	A4	GND
A5	Rx_1+	B5	Tx_1+	B5	Tx_1+	A5	Rx_1+
A6	Rx_1-	B6	Tx_1-	B6	Tx_1-	A6	Rx_1-
A7	GND	B7	GND	B7	GND	A7	GND
A8	Rx_2+	B8	Tx_2+	B8	Tx_2+	A8	Rx_2+
A9	Rx_2-	B9	Tx_2-	B9	Tx_2-	A9	Rx_2-
A10	GND	B10	GND	B10	GND	A10	GND
A11	Rx_3+	B11	Tx_3+	B11	Tx_3+	A11	Rx_3+
A12	Rx_3-	B12	Tx_3-	B12	Tx_3-	A12	Rx_3-
A13	GND	B13	GND	B13	GND	A13	GND
A22	GND	B22	GND	B22	GND	A22	GND
A23	Rx_4+	B23	Tx_4+	B23	Tx_4+	A23	Rx_4+
A24	Rx_4-	B24	Tx_4-	B24	Tx_4-	A24	Rx_4-
A25	GND	B25	GND	B25	GND	A25	GND
A26	Rx_5+	B26	Tx_5+	B26	Tx_5+	A26	Rx_5+
A27	Rx_5-	B27	Tx_5-	B27	Tx_5-	A27	Rx_5-
A28	GND	B28	GND	B28	GND	A28	GND
A29	Rx_6+	B29	Tx_6+	B29	Tx_6+	A29	Rx_6+
A30	Rx_6-	B30	Tx_6-	B30	Tx_6-	A30	Rx_6-
A31	GND	B31	GND	B31	GND	A31	GND
A32	Rx_7+	B32	Tx_7+	B32	Tx_7+	A32	Rx_7+
A33	Rx_7-	B33	Tx_7-	B33	Tx_7-	A33	Rx_7-
A34	GND	B34	GND	B34	GND	A34	GND

NOTES:

1. A1, A4, A7, A10, A13, A22, A25, A28, A31, A34, B1, B4, B7, B10, B13, B22, B25, B28, B31 AND B34 ARE ALL REFERENCE GROUNDS AND ARE SHORTED TOGETHER THROUGH THE PADDELCARD GROUND PLANES.
2. A14-A21 AND B14-B21 HAVE NO CONNECTIONS TO CABLE.

5. PRODUCT DATA SHEET: 78-5102-0113-6

FOUR RIBBONS OF 3M RIBBON TWIN AXIAL CABLE

7. THIS UNIQUE CABLE CONSTRUCTION HAS A THIN ALUMINUM INNER LAYER EXPOSED AT EACH EDGE. USERS SHOULD ASSESS WHETHER THE EXPOSED EDGE PRESENTS A SHORTING RISK IN THEIR SPECIFIC APPLICATION. INSULATING TAPE MAY BE APPLIED AT THE CABLE ASSEMBLY LEVEL, AS NEEDED, TO COVER THIS EXPOSED EDGE IN RISK AREAS.

LENGTH TOLERANCE:
± 10MM FOR LENGTH <=0.5 METER
± 15MM FOR LENGTH >0.5 METER

- NOTE:
1. A1, A4, A7, A10, A13, A22, A25, A28, A31, A34, B1, B4, B7, B10, B13, B22, B25, B28, B31 AND B34 ARE ALL REFERENCE GROUNDS AND ARE SHORTED TOGETHER THROUGH THE PADDELCARD GROUND PLANES.

UNIT: MM	DFG	KOK HOE LEE	DATE	18/11/11
GEN. TOLERANCES	CHKD	YUNLONG QIAO	DATE	18/11/11
LINEAR 0 = ±0.25 .00 = ±0.15 .000 = ±0.05	APPL	SAUJIT BANDHU	DATE	18/11/11
ANGLE ±1°	THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M AND IS UNCLASSIFIED AND RELEASED OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M.			
PROJECTION	INTERPRET PER ASME Y14.5M-1994			
CRITICAL DIMENSION: ▲				
TITLE		CABLE ASSEMBLY		
INTERNAL 68P MINISAS RIBBON TWINAX		RELEASED		
SIZE	DRAWING NO.	78-5100-2450-4	REV	B

Visit <http://www.3Mconnector.com>



SCALE : NTS

DET LIST ☐ YES ☐ NO SHEET 2 OF 2

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