

**DO NOT
SCALE FROM
THIS PRINT**

TABLE 3		
PINOUT ARRANGEMENT		
STYLE	NO OF POS PER ROW	DESCRIPTION
-DP	-025	8 DIFF PAIRS PER ROW
-DP	-037	12 DIFF PAIRS PER ROW
-SE	-025	12 SE SIGNALS PER ROW
-SE	-037	18 SE SIGNALS PER ROW

(SEE SIGNAL MAPPING TABLES FOR FULL SIG/GND DEFINITION)

STYLE
-DP: USE 3492 ThinAx CABLE
*-SE: USE 3450 ThinSE CABLE

END 2 OPTION
-L: SQUEEZE LATCH
-T: LOCKING TOOL
Δ-S: SINGLE LATCH

No OF POSITIONS PER ROW
-025, -037
(SEE TABLE 3)

No OF ROWS
-04, -06

CABLE LENGTH
-XX.X (INCHES)
(05.0 MIN)
(SEE NOTE 4)

(Δ = ONLY AVAILABLE IN 4 ROW)
(* = NOT TOOLED)

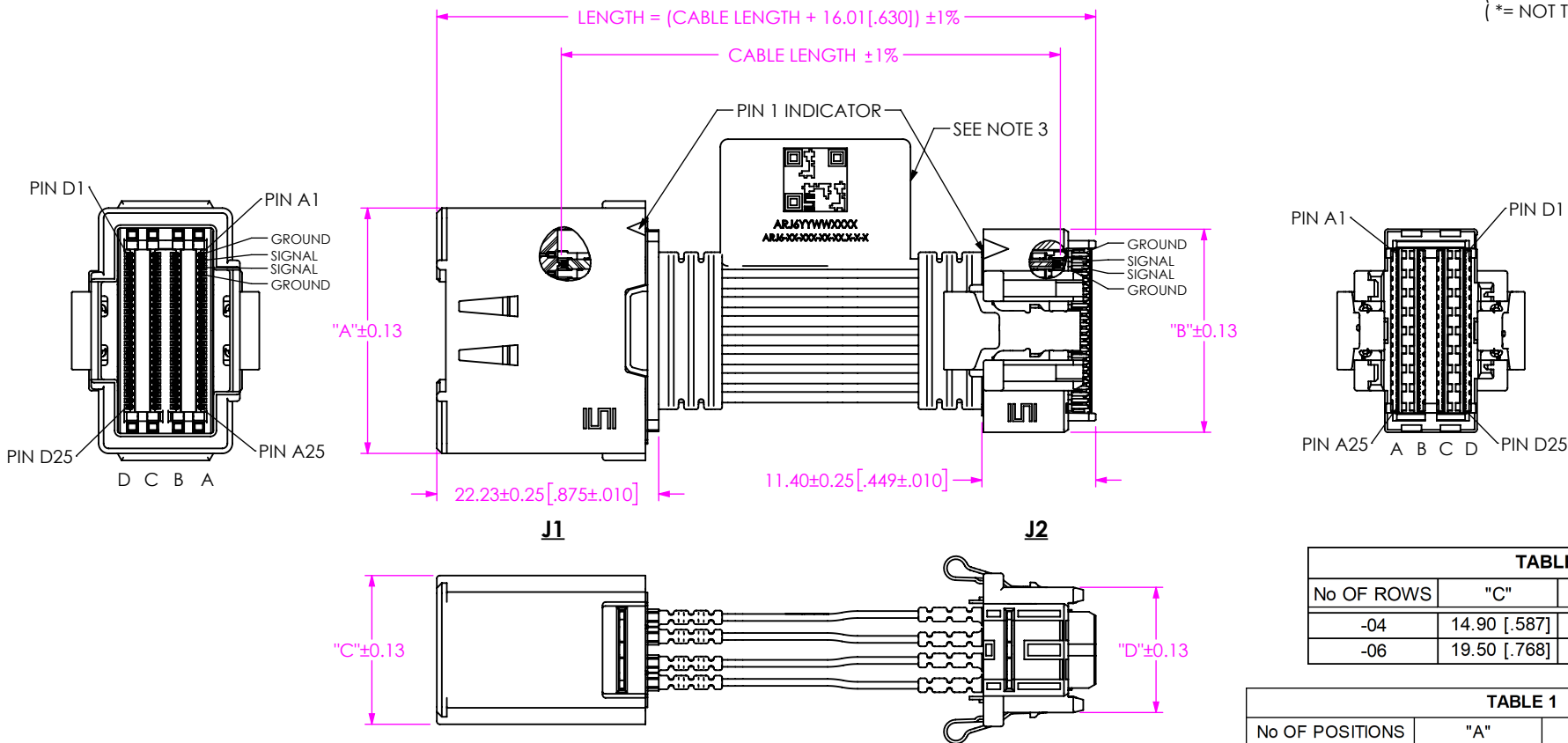


FIG 1
ARJ6-DP-025-04-XX.X-L SHOWN

NOTES:

- ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
- ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
- LABEL TO BE CENTERED ON CABLE AS SHOWN. LABEL TO CONTAIN:
LINE 1 - QR CODE;
LINE 2 - SERIAL NUMBER "ARJ6YYWWXXXX";
LINE 3 - PART NUMBER "ARJ6-XX-XXX-XX-XX.X-X";
- MAX STANDARD CABLE LENGTH IS 5 METERS.
FOR LENGTHS GREATER THAN 5 METERS, CONTACT HDR@SAMTEC.COM.

TABLE 2			
No OF ROWS	"C"	"D"	"E"
-04	14.90 [.587]	12.54 [.494]	9.24 [.364]
-06	19.50 [.768]	17.14 [.675]	13.84 [.545]

TABLE 1			
No OF POSITIONS	"A"	"B"	"F"
-025	24.58 [.968]	20.34 [.801]	21.44 [.844]
-037	32.20 [1.268]	27.96 [1.101]	29.06 [1.144]

* PROPRIETARY NOTE *

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MATERIAL: DO NOT SCALE DRAWING
SHEET SCALE: 3:2
INSULATOR: LCP
TERMINAL: COPPER ALLOY
LATCH: SS
CABLE: SUB ASSEMBLY

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION: ARJ6 CABLE ASSEMBLY

DWG. NO. ARJ6-XX-XXX-XX-XX.X-X

BY: EVE L 11/15/2024 SHEET 1 OF 9

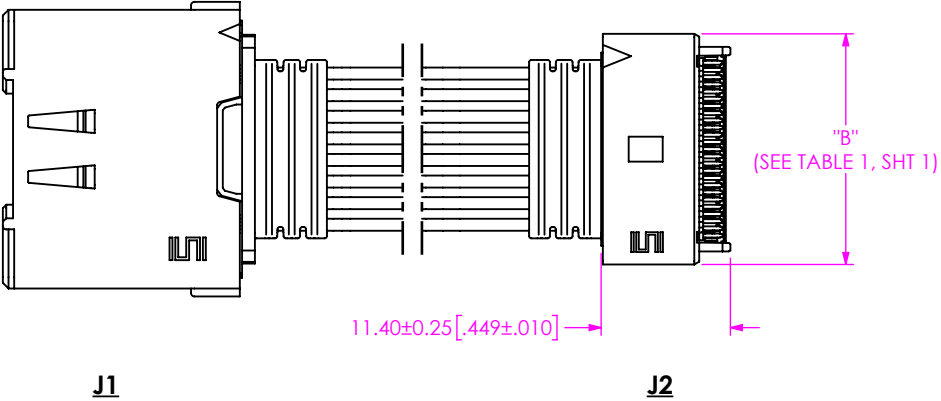


FIG 2
ARJ6-DP-025-04-XX.X-T SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

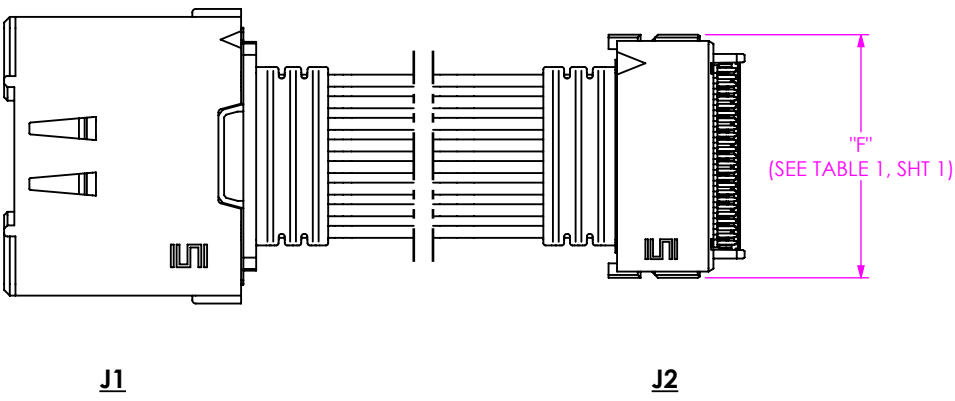
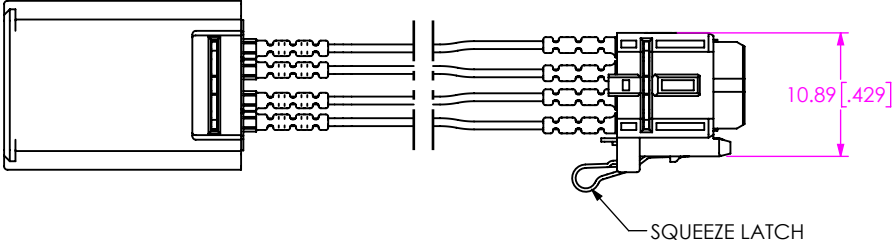
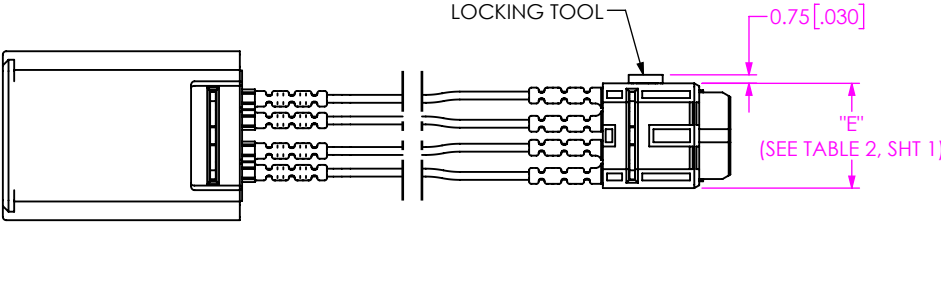


FIG 3
ARJ6-DP-025-04-XX.X-S SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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SHEET SCALE: 3:2	DESCRIPTION: ARJ6 CABLE ASSEMBLY
	DWG. NO. ARJ6-XX-XXX-XX-XX.X-X
	BY: EVE L 11/15/2024 SHEET 2 OF 9

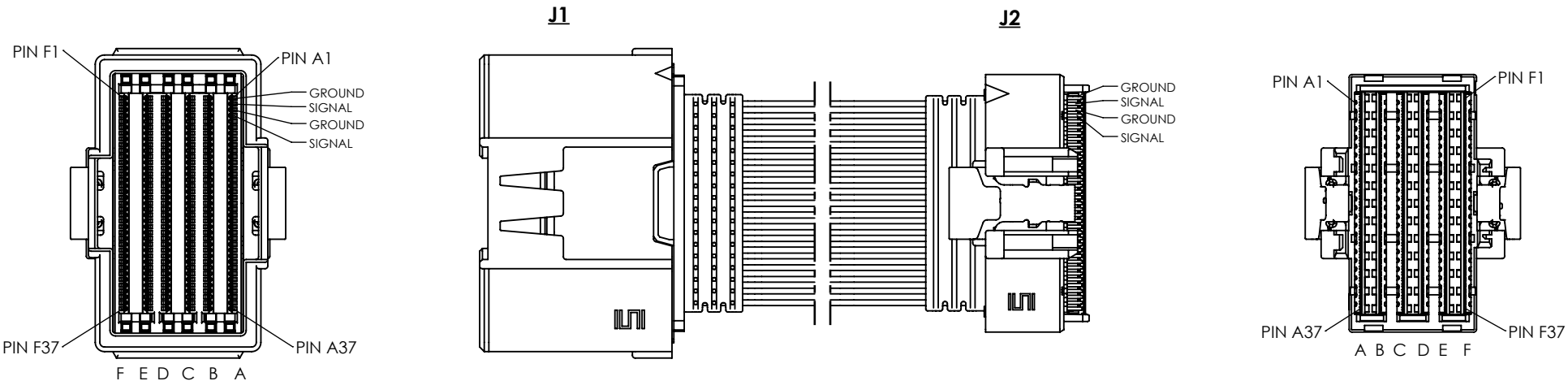


FIG 4
ARJ6-SE-037-06-XX.X-L SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

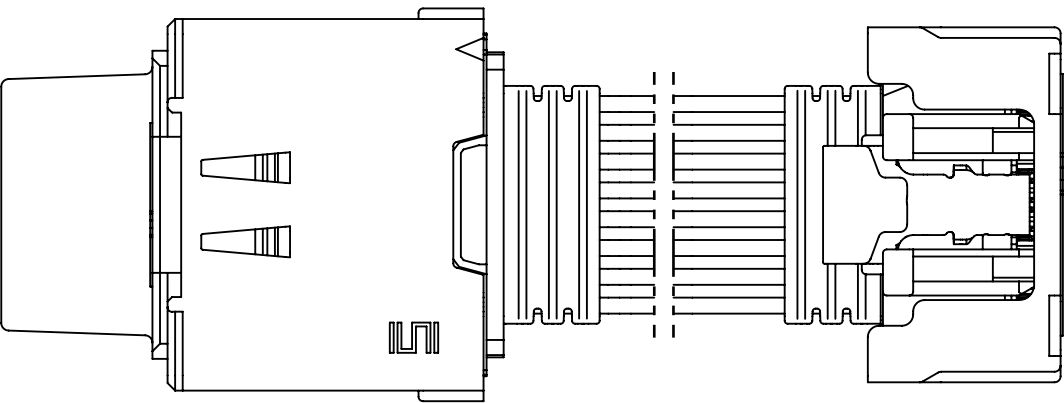


FIG 5
ARJ6-DP-025-04-XX.X-L WITH PROTECTIVE CAPS

c:\enterprise\dwg\MISC\MKTG\ARJ6-XX-XXX-XX-XX.X-X-MKT.SLDDRW

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SHEET SCALE: 2:1	samtec 520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322
	DESCRIPTION: ARJ6 CABLE ASSEMBLY
	DWG. NO. ARJ6-XX-XXX-XX-XX.X-X
BY:EVE L	11/15/2024 SHEET 3 OF 9

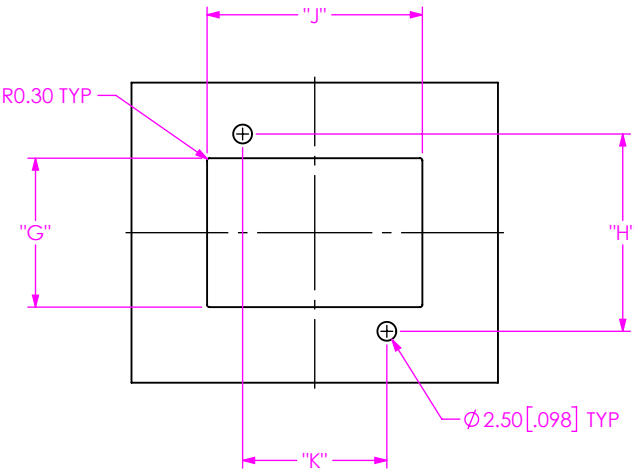


TABLE 6				
No OF ROWS	"G"		"H"	
-04	19.70	[.776]	26.10	[1.028]
-06	24.30	[.957]	30.70	[1.209]

FIG 6
RECOMMENDED PANEL CUTOUT
-025 POS WITH -04 ROW X 1 PORT SHOWN

TABLE 7										
No OF POSITIONS	No OF PORTS									
	1 PORT (SEE FIG 6)		2 PORT (SEE FIG 6)		3 PORT (SEE FIG 7)			4 PORT (SEE FIG 7)		
	"J"	"K"	"J"	"K"	"J"	"L"	"M"	"J"	"L"	"M"
-25	28.48 [1.121]	19.08 [.751]	55.86 [2.199]	46.46 [1.829]	83.24 [3.277]	54.76 [2.156]	19.08 [.751]	110.62 [4.355]	82.14 [3.234]	19.08 [.751]
-37	36.10 [1.421]	26.70 [1.051]	71.10 [2.799]	61.70 [2.429]	106.10 [4.177]	70.00 [2.756]	26.70 [1.051]	140.80 [5.543]	105.00 [4.134]	26.70 [1.051]

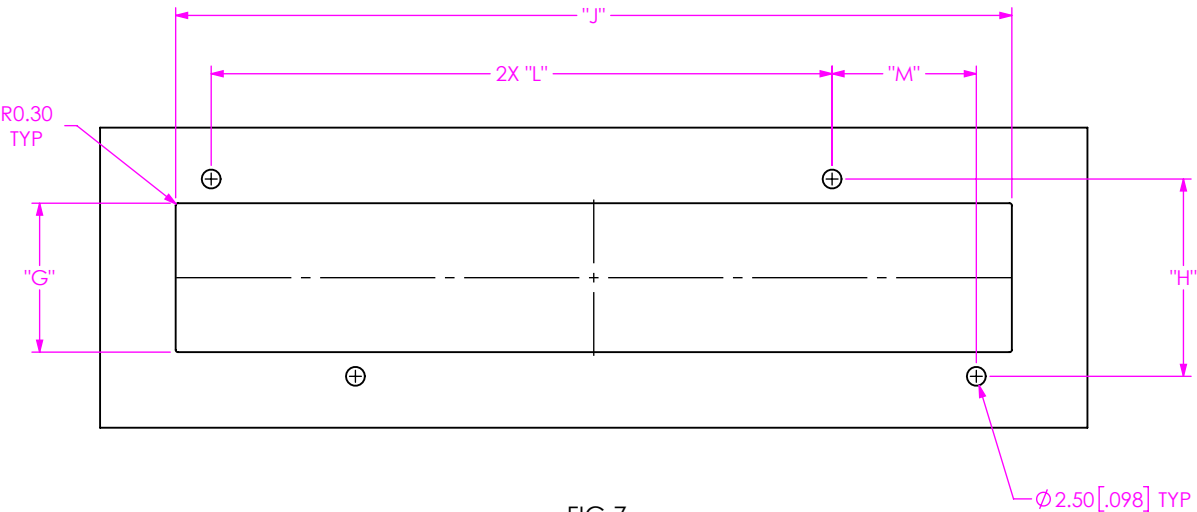


FIG 7
RECOMMENDED PANEL CUTOUT
-025 POS WITH -04 ROW X 4 PORT SHOWN

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520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

SHEET SCALE: 1:1
DO NOT SCALE DRAWING

DESCRIPTION:
ARJ6 CABLE ASSEMBLY

DWG. NO.
ARJ6-XX-XXX-XX-XX.X-X

BY: EVE L 11/15/2024 SHEET 4 OF 9

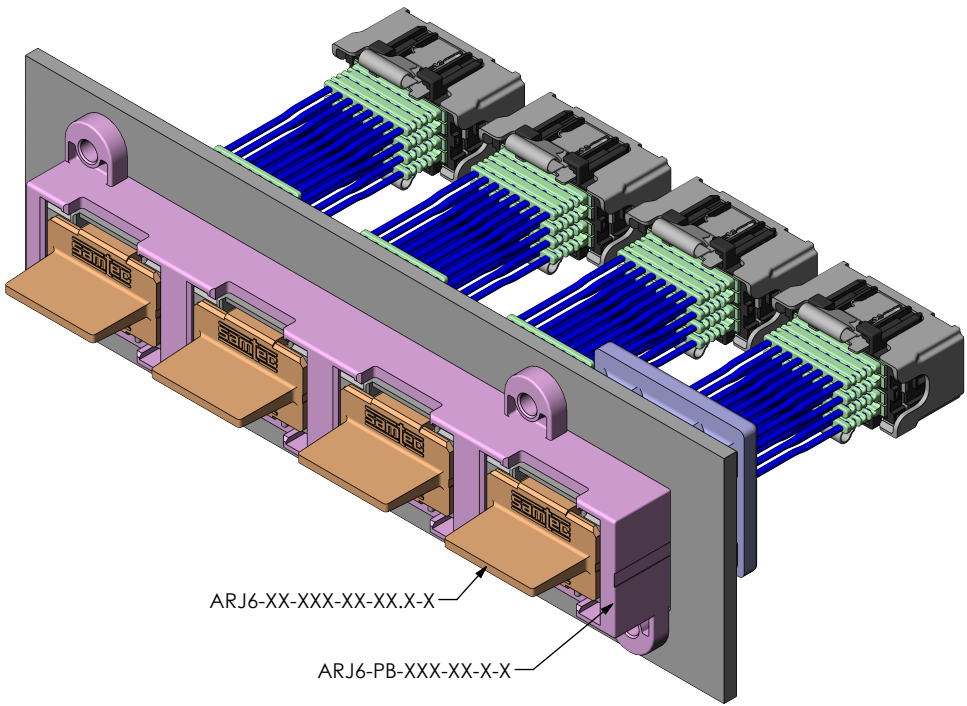
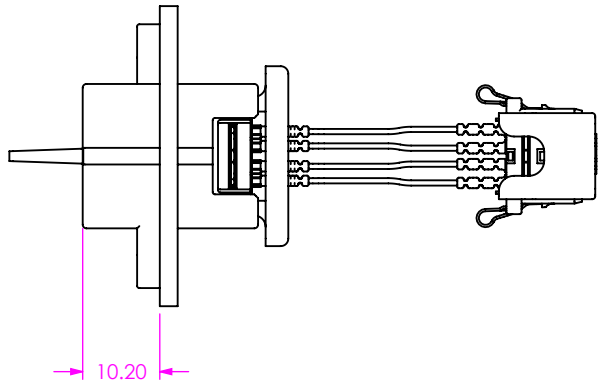
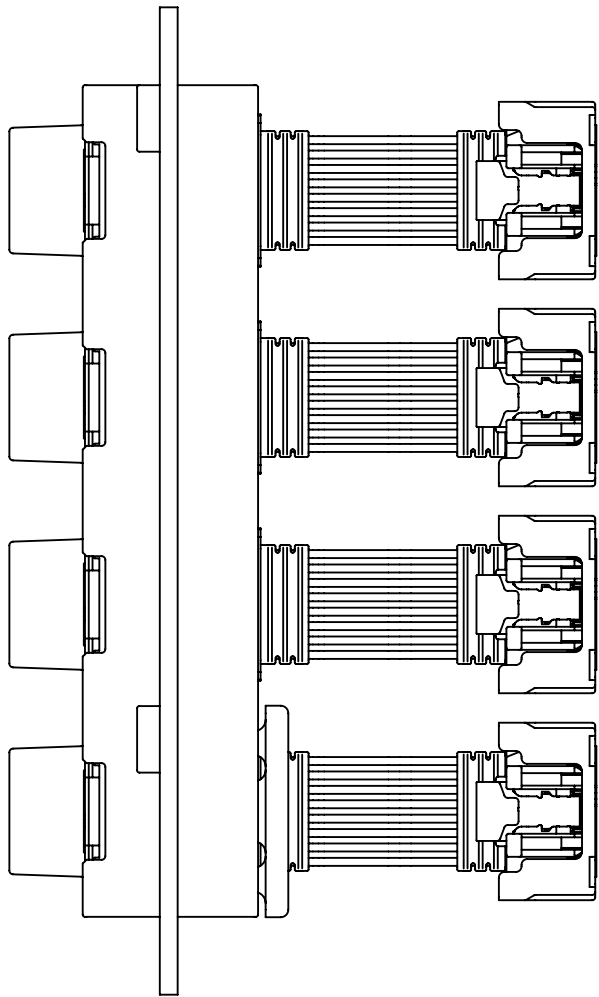


FIG 8
APPLICATION VIEW

PROPRIETARY NOTE THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.	
SHEET SCALE: 1:2 DO NOT SCALE DRAWING	
DESCRIPTION: ARJ6 CABLE ASSEMBLY	
DWG. NO. ARJ6-XX-XXX-XX-XX.X-X	
BY: EVE L	11/15/2024 SHEET 5 OF 9

ARJ6-DP-025-04-XX.X-X SIGNAL MAPPING																									
POSITIONS																									
J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
	GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
	GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
	GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
	GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD																									
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER																									

ARJ6-DP-025-06-XX-X SIGNAL MAPPING																									
POSITIONS																									
J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
	GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1	DP		GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
	GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2	DP		GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
	GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3	DP		GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
	GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4	DP		GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
J1	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
	GND5	DP		GND5	DP		GND5	DP		GND5	DP		GND5	DP		GND5	DP		GND5	DP		GND5	DP		GND5
J2	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
J1	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25
	GND6	DP		GND6	DP		GND6	DP		GND6	DP		GND6	DP		GND6	DP		GND6	DP		GND6	DP		GND6
J2	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25
ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD																									
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER																									

TABLE 4				
No OF POSITIONS	ROWS	NET COUNT		
		TYPE	NETS	POINTS
-025 (FOR -DP OPTION)	-04	POINT TO POINT	64	128
		GND1	1	18
		GND2	1	18
		GND3	1	18
		GND4	1	18
	-06	POINT TO POINT	96	192
		GND1	1	18
		GND2	1	18
		GND3	1	18
		GND4	1	18
		GND5	1	18
-037 (FOR -DP OPTION)	-04	POINT TO POINT	96	192
		GND1	1	26
		GND2	1	26
		GND3	1	26
		GND4	1	26
	-06	POINT TO POINT	144	288
		GND1	1	26
		GND2	1	26
		GND3	1	26
		GND4	1	26
		GND5	1	26
		GND6	1	26

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SHEET SCALE: 3:2
DO NOT SCALE DRAWING

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
ARJ6 CABLE ASSEMBLY

DWG. NO.
ARJ6-XX-XXX-XX-XX.X-X

BY: EVE L 11/15/2024 SHEET 6 OF 9

ARJ6-DP-037-04-XX-X-X SIGNAL MAPPING
POSITIONS

J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37
	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37

ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER

ARJ6-DP-037-06-XX-X-X SIGNAL MAPPING
POSITIONS

J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1	DP	GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2	DP	GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3	DP	GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37
	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4	DP	GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37
J1	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37
	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5	DP	GND5
J2	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37
J1	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32	F33	F34	F35	F36	F37
	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6	DP	GND6
J2	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32	F33	F34	F35	F36	F37

ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER

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DO NOT SCALE DRAWING

samtec

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
ARJ6 CABLE ASSEMBLY

DWG. NO.
ARJ6-XX-XXX-XX-XX.X-X

BY: EVE L 11/15/2024 SHEET 7 OF 9

ARJ6-SE-025-04-XX.X-X SIGNAL MAPPING																									
POSITIONS																									
J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD																									
ON THE MATING BOARD ASSEMBLY , SAMTEC RECOMMENDS IMPLEMENTING A GND1 REFERENCE TYING ALL GND1'S TOGETHER																									

ARJ6-SE-025-06-XX X-X SIGNAL MAPPING																									
POSITIONS																									
J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25
J1	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5
J2	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
J1	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25
	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6
J2	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25
ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD																									
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER																									

TABLE 5				
No OF POSITIONS	ROWS	NET COUNT		
		TYPE	NETS	POINTS
-025 (FOR -SE OPTION)	-04	POINT TO POINT	48	96
		GND1	1	26
		GND2	1	26
		GND3	1	26
		GND4	1	26
	-06	POINT TO POINT	72	144
		GND1	1	26
		GND2	1	26
		GND3	1	26
		GND4	1	26
		GND5	1	26
		GND6	1	26
-037 (FOR -SE OPTION)	-04	POINT TO POINT	72	144
		GND1	1	38
		GND2	1	38
		GND3	1	38
		GND4	1	38
	-06	POINT TO POINT	108	216
		GND1	1	38
		GND2	1	38
		GND3	1	38
		GND4	1	38
		GND5	1	38
		GND6	1	38

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samtec520 PARK EAST BLVD., NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322DESCRIPTION:
ARJ6 CABLE ASSEMBLYDWG. NO.
ARJ6-XX-XXX-XX-XX.X-X

BY: EVE L 11/15/2024 SHEET 8 OF 9

ARJ6-SE-037-04-XX X-X SIGNAL MAPPING																																					
POSITIONS																																					
J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37
	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37
ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD																																					
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER																																					

ARJ6-SE-037-06-XX X-X SIGNAL MAPPING																																					
POSITIONS																																					
J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1	SE	GND1
J2	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37
J1	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2	SE	GND2
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37
J1	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3	SE	GND3
J2	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37
J1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37
	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4	SE	GND4
J2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37
J1	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37
	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5	SE	GND5
J2	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37
J1	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32	F33	F34	F35	F36	F37
	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6	SE	GND6
J2	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32	F33	F34	F35	F36	F37
ALL GROUNDS ARE COMMON WITHIN A ROW AND TIED TO CABLE SHIELD																																					
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER																																					

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SHEET SCALE: 3:2



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DESCRIPTION:
ARJ6 CABLE ASSEMBLY

DWG. NO.
ARJ6-XX-XXX-XX-XX.X-X

BY: EVE L 11/15/2024 SHEET 9 OF 9