

DO NOT SCALE FROM

THIS PRINT

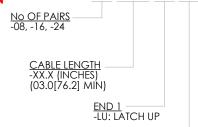


DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES] ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

ARC6-XX-XX.X-XX-XX-XX

-LU: LATCH UP

-LD: LATCH DOWN



CABLE STYLE -1: 34100 (TwinAx) *-2: 3492 (TwinAx) *-3: 3492 (ThinAx)

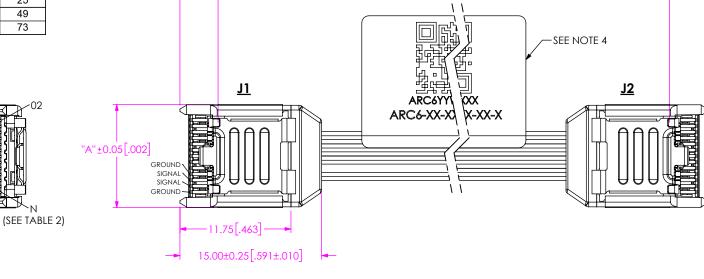
WIRING OPTION

- -2: PIN 1 TO PIN 2 (ONLY WITH END 2 -LD OPTION)
- -3: PIN 1 TO PIN N-1
- (ONLY WITH END 2 -LU OPTION) -2R: PIN 1 TO PIN 2 (REVERSE POLARITY) (ONLY WITH END 2 -LD OPTION)
- (06.0 INCHES[152.4] MIN CABLE LENGTH)
 -3R: PIN 1 TO PIN N-1 (REVERSE POLARITY) (ONLY WITH END 2'-LU OPTION) (06.0 INCHES[152.4] MIN CABLÉ LENGTH)

(* = NOT TOOLED)

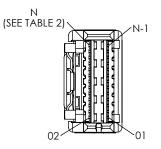
TABLE 1												
NO OF PAIRS	"A"											
-08	10.90 [.429]											
-16	18.52 [.729]											
-24	26.14 [1.029]											

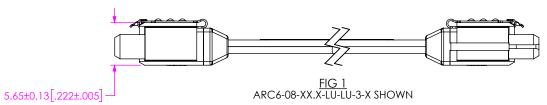
TABLE 2												
No. OF PAIRS	N	N-1										
-08	26	25										
-16	50	49										
-24	74	73										



LENGTH = (CABLE LENGTH + 8.1) ±1%

CABLE LENGTH ±1%





NOTES:

- 1. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V
- 2. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
- 3. CABLE LENGTHS OVER 40.0[1016.0] NOT SUPPORTED BY SITEST DATA.
- 4. LABEL TO BE CENTERED ON CABLE AS SHOWN. LABEL TO CONTAIN:
- LINE 1 QR CODE
- LINE 2 SERIAL NUMBER "ARC6YYWWXXXX"
- LINE 3 PART NUMBER "ARC6-XX-XX.X-XX-XX-XX"
- 5. "J1" TO BE LASER MARKED ON PLASTIC HOUSING FOR -2R AND -3R OPTIONS ONLY.

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DO NOT SCALE DRAWING MATERIAL: INSULATOR: LCP
TERMINALS: COPPER ALLOY
PLATING: 30µ" SELECTIVE GOLD IN CONTACT AREA

DESCRIPTION SHEET SCALE: 2:1

ARC6 CABLE ASSEMBLY

e-Mail info@SAMTEC.com

PHONE: 812-944-6733

DWG. NO. ARC6-XX-XX.X-XX-XX-XX

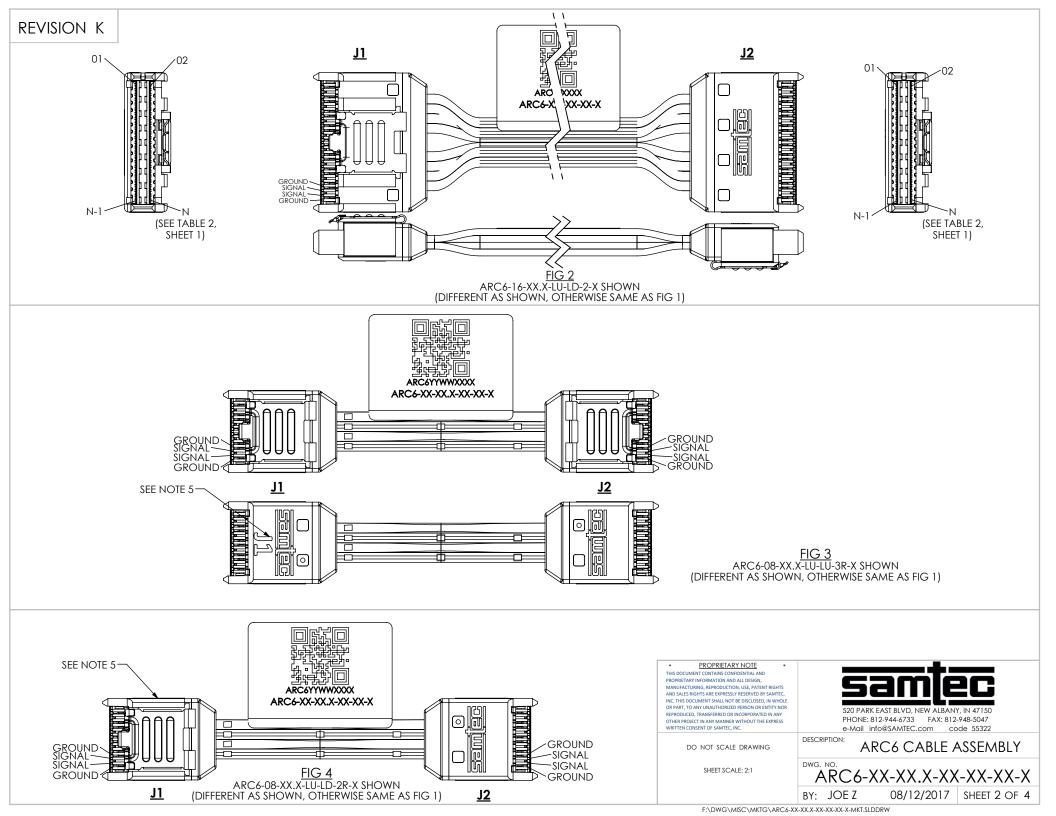
FAX: 812-948-5047

code 55322

BY: JOE Z 08/12/2017 | SHEET 1 OF 4

520 PARK EAST BLVD, NEW ALBANY, IN 47150

F:\DWG\MISC\MKTG\ARC6-XX-XX.X-XX-XX-XX-MKT.SLDDRW



REVISION K

	ARC6-08-XX.X-XX-XX-XX-X SIGNAL MAPPING																									
WIRING OPTION		POSITIONS																								
-2	J1	1	3	5	7	9	11	13	15 1	7	19	21	23	25	2	4	6	8	10	12	14	16	18	20	22 24	26
	NAME	GND1	PA	١R	GND1	PA	ίR	GND1	PAII	R	GND1	PA	ΙR	GND1	GND2	P	ÁIR	GND2	PΑ	IR	GND2	PΑ	.IR	GND2	PAIR	GND2
(PIN1 TO PIN 2)	J2	2	4	6	8	10	12	14	16 1	8	20	22	24	26	1	3	5	7	9	11	13	15	17	19	21 23	25
-3	J1	1	3	5	7	9	11	13	15 1	7	19	21	23	25	2	4	6	8	10	12	14	16	18	20	22 24	26
(PIN1 TO PIN N-1)	NAME	GND1	PA	١R	GND1	PA	ΙR	GND1	PÁI	R	GND1	PA	ΝR	GND1	GND2	P	ÁIR	GND2	PA	.IR	GND2	PA	.IR	GND2	PAIR	GND2
(FINT TO FIN N-1)	J2	25	23	21	19	17	15	13	11 !	9	7	5	3	1	26	24	22	20	18	16	14	12	10	8	6 4	2
	1 14		_	-	-	_	44	40	ae la	7	40	04		05	_				401	401	44	401	40		مامد	1 00
-2R	J1	1	3		- /		11	13	15 1				23	25		4			10			16	_		22 24	
(PIN1 TO PIN 2)	NAME	GND1	P#	١R	GND1	P#	١IR	GND1	PAII	R۱	GND1	P#	١IR	GND1	GND2	P	AIR	GND2	PA	IR [GND2	PΑ	.IR	GND2	PAIR	GND2
(FINT TO FIN 2)	J2	2	6	4	8	10	12	14	18 1	6	20	22	24	26	1	3	5	7	11	9	13	15	17	19	23 21	25
	I 14		_	-	-	_	44	40	ae la	7	10	04	00	0.5	_				401	401	44	401	401		0010	
-3R	J1	1	3		1		11	13	15 1				23	25		4			10		14	16	_		22 24	
(PIN1 TO PIN N-1)	NAME	GND1	P	\IR	GND1	PA	ΝR	GND1	PAI	R	GND1	PA	ΝR	GND1	GND2			GND2	PA	.IR	GND2	PΑ		GND2	PAIR	GND2
(1 1141 10 1 114 14 1)	J2	25	21	23	19	17	15	13	9 1	1	7	5	3	1	26	24	22	20	16	18	14	12	10	8	4 6	2
	•			AL	L LIKE	NA	ME	D GRO	UNDS	SA	ARE CO	ΙМС	МО	N AND T	TED TO	CA	BLE	SHIEL	D							
ON THE M	ATING E	BOARD	AS	SE	MBLY,	SA	MTI	C REC	OM	ИΕ	NDS I	ИPI	ΕN	IENTING	A GND	RE	FE	RENCE	TY	ING	ALLG	ND'	'S	TOGET	HER	

						Λ D(C 16 V	<u> </u>	V V	X-XX-X	e IC	NIA:	MADI	DING								
WIRING OPTION						AIN	JU-1U-/	<i>/</i>	<u> </u>	/-//-/\ \	310											
	J1	1	3	5	7	9 1	1 13	15	17	19	24	23		27 29	31	122	35	37	39 41	43	45 47	49
		GND1			CND4		R GND						GND1					GND1		GND1	PAIR	
	NAME		Ь.	$\overline{}$	GND1			_	_		_					-	_					
-2	J2	2	4	6	8	10 1	2 14	16	18	20	22	24	26	28 30	32	34	36	38	40 42	44	46 48	50
(PIN1 TO PIN 2)	J1	2	4	6	8	10 1	2 14	16	18	20	22	24	26	28 30	32	34	36	38	40 42	44	46 48	50
	NAME	GND2	PA	ΙR	GND2	PAI	GND	2 PA	ΙR	GND2	P	ÁΙR	GND2	PAIR	GND2	P	λIR	GND2	PAIR	GND2	PÁIR	GND2
	J2	1	3	5	7	9 1	1 13	15	17	19	21	23	25	27 29	31	33	35	37	39 41	43	45 47	49
	J1	1	3	5	7	9 1	1 13	15	17	19	21	23	25	27 29	31	33	35	37	39 41	43	45 47	49
	NAME	GND1			GND1		RIGND								GND1			GND1			PAIR	
-3	J2	49	47	45	43	41 3	9 37	35	33	31	29	27	25	23 21	19	17	15	13	11 9	7	5 3	1
(PIN1 TO PIN N-1)	J1	2		6	0	10 1	14	146	10	20	122	24	26	20 20	32	24	36	38	140140	44	16 10	50
(,	NAME	_			8 GND2		2 14 R GND	16		GND2				28 30	-			GND2	40 42		46 48	GND2
	J2	50	48	_		42 4		36		32		28	26	24 22	20		16		12 10		6 4	2
		30			44						_											_
	J1	1		5	7	9 1		15				23	25	27 29	31		35		39 41		45 47	
	NAME	GND1	PA	_	GND1		GND	-		GND1		۱R		PAIR						GND1	PAIR	
-2R	J2	2	6	4	8	10 1	2 14	18	16	20	22	24	26	30 28	32	34	36	38	42 40	44	46 48	50
(PIN1 TO PIN 2)	J1	2	4	6	8	10 1	2 14	16	18	20	22	24	26	28 30	32	34	36	38	40 42	44	46 48	50
	NAME	GND2	PA	.IR	GND2	PAIF	RIGND								GND2					GND2	PAIR	GND2
	J2	1	3	5	7	11 9	13	15	17	19	23	21	25	27 29	31	35	33	37	39 41	43	47 45	49
	J1	1	3	5	7	9 1	1 13	15	17	19	21	23	25	27 29	31	133	35	37	39 41	43	45 47	49
	NAME	GND1			GND1					GND1										GND1		
-3R	J2	49	45			41 3		33		31	_	27	25	21 23	19	_	15		9 11	7	5 3	1
(PIN1 TO PIN N-1)																				•		
(FIINT 10 FIIN IN-1)	J1	2		6	8	10 1		16				24	26	28 30	32		36		40 42		46 48	
	NAME						GND			GND2			GND2		GND2					GND2		GND2
	J2		48	_		40 4		36	_			30	26	24 22	20		18		12 10	8	4 6	2
		,	ALL	LIK	(E NAM	IED (SROUN	IDS A	RE	COMN	/OI	N AI	ND TIEI	D TO C	ABLE	SHI	ELC)				
ON THE MATIN	G BOAI	RD ASS	SEM	BL	Y, SAN	ITEC	RECO	ММЕ	ND	S IMPL	ĒΝ	IEN	TING A	GND I	REFER	ΕN	CE	TYING	ALL G	ND"S T	OGETI	I ER

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ARC6 CABLE ASSEMBLY

SHEET SCALE: 2:1

									ARC	3-24-XX	(X-XX-X	X-XX-X	SIGNAI	MAPI	PING											
WIRING OPTION									7 13 .	2	.,,,,,,			SITION												
	J1	1	3 5	7	9 11	13	15 17		21 23	2 5	27 29	31	33 35	37	39 41	43	45 47	49	51 53	55	57 59		63 65	67	69 71	73
	NAME					GND1																	PAIR			
-2	J2	2	4 6	8	10 12	14	16 18	20	22 24	26	28 30	32	34 36	38	40 42	44	46 48	50	52 54	56	58 60	62	64 66	68	70 72	74
(PIN1 TO PIN 2)	J1	2	4 6	8	10 12		16 18		22 24	26	28 30		34 36	38	40 42		46 48	50	52 54	56	58 60		64 66	68	70 72	
	NAME J2	GND2	PAIR 3 5		9 11		15 17		21 23		27 29						45 47		51 53		57 59		63 65		69 71	GND2 73
	JZ	ı	3 3	1	9 11	13	15[17]	19	21 23	25	21 29	31	33 35	31	39 41	43	45 47	49	51 33	55	57 59	01	03 03	07	09 / 1	13
	J1	1	3 5	7	9 11		15 17	19	21 23	25	27 29		33 35	37	39 41	43	45 47	49	51 53	55	57 59		63 65	67	69 71	73
	NAME J2	GND1 73	71 69		65 63		PAIR 59 57		53 51	49	47 45	GND1 43	41 39		PAIR 35 33		29 27	25	23 21		17 15		PAIR 11 9	GND1	5 3	GND1
-3 (PIN1 TO PIN N-1)																										
(FINT TO FIN N-1)	J1 NAME	2 GND2	4 6	8	10 12		16 18		22 24	26	28 30		34 36		40 42		46 48	50 CND2	52 54		58 60		64 66	68	70 72	
	NAME J2		72 70		66 64		60 58		54 52		48 46		42 40		36 34		30 28	26	24 22	20	18 16		12 10	8	6 4	2
				-																						
	J1 NAME	GND1	3 5	CND1	9 11	13 GND1	15 17 PAIR		21 23	25 GND1	27 29		33 35 PAIR	37 GND1	39 41 PAIR		45 47	49 GND1	51 53		57 59 PAIR		63 65	67 GND1	69 71 PAIR	73 GND1
-2R	J2	2	6 4	8	10 12		18 16		22 24	26	30 28		34 36		42 40		46 48		54 52	56	58 60		66 64	68	70 72	
(PIN1 TO PIN 2)	J1	2	4 6	8	10 12	14	16 18		22 24	26	28 30		34 36		40 42		46 48	50	52 54		58 60	62	64 66	68	70 72	
(,	٠.	GND2										GND2											PAIR			
	J2	1	3 5	7	11 9	13	15 17		23 21	25	27 29		35 33	37	39 41	43	47 45	49	51 53		59 57		63 65		71 69	
	J1	1	3 5	7	9 11	13	15 17	19	21 23	25	27 29	31	33 35	37	39 41	43	45 47	49	51 53	55	57 59	61	63 65	67	69 71	73
		GND1		GND1		GND1							PAIR										PAIR			
-3R	J2	73	69 71	67	65 63	61	57 59	55	53 51	49	45 47		41 39	37	33 35	31	29 27	25	21 23		17 15		9 11	7	5 3	1
(PIN1 TO PIN N-1)	J1	2	4 6	8	10 12	14	16 18	20	22 24	26	28 30	32	34 36	38	40 42	44	46 48	50	52 54	56	58 60	62	64 66	68	70 72	74
	NAME																						PAIR			
	J2	74	72 70	68	64 66	62	60 58	56	52 54	50	48 46	44	40 42	38	36 34	32	28 30	26	24 22	20	16 18	14	12 10	8	4 6	2
							ALL LIK	(E NAN	/IED G	ROUNE	S ARE	COM	IA NON	ND TIEI	D ТО С	ABLE	SHIELD)								
		ON	THE M	ATING	BOAF	RD ASS	SEMBL	Y, SAN	ATEC F	RECOM	IMEND	SIMPL	EMEN	ΓING A	GND F	REFER	ENCE :	TYING	ALL GI	ND"S T	OGETH	HER				

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SHEET SCALE: 2:1

DESCRIPTION:

ARC6 CABLE ASSEMBLY

ARC6-XX-XX.X-XX-XX-XX BY: JOE Z 08/12/2017 | SHEET 4 OF 4