

DO NOT

SCALE FROM

THIS PRINT

PIÓ THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

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

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

No OF PAIRS -08, -16, -24

CABLE LENGTH -XX.X (INCHES) (03.0[76.2] MIN)

LENGTH = (CABLE LENGTH + 8.1) ±1%

CABLE LENGTH ±1%

END 1 -LU: LATCH UP

-1: 34100 WIRING OPTION

-2: PIN 1 TO PIN 2 (ONLY WITH END 2 -LD OPTION)

-3: PIN 1 TO PIN N-1

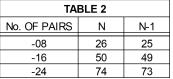
CABLE STYLE

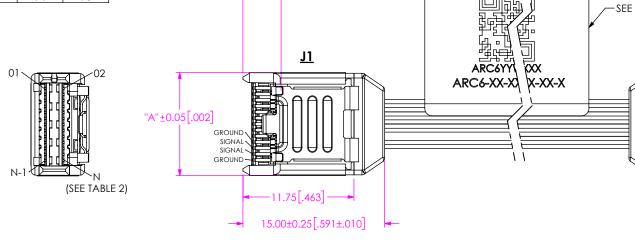
(ONLY WITH END 2 -LU OPTION)
-2R: PIN 1 TO PIN 2 (REVERSE POLARITY)
(ONLY WITH END 2 -LD OPTION)
(06.0 INCHES [152.4] MIN CABLE LENGTH)

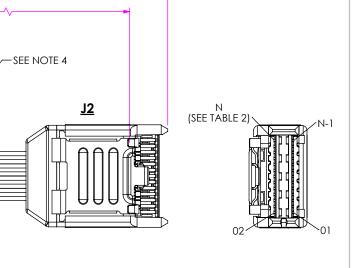
-3R: PIN 1 TO PIN N-1 (REVERSE POLARITY) ONLY WITH END 2 -LU OPTION) (06.0 INCHES[152.4] MIN CABLÉ LENGTH)

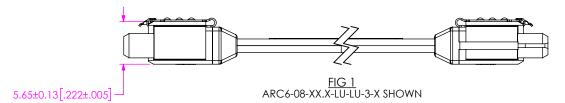
> END 2 -LU: LATCH UP -LD: LATCH DOWN

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









### 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.

#### PROPRIETARY NOTE

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INSULATOR: LCP TERMINALS: COPPER ALLOY LATCH: SS

DESCRIPTION ARC6 CABLE ASSEMBLY

PHONE: 812-944-6733

e-Mail info@SAMTEC.com

520 PARK EAST BLVD, NEW ALBANY, IN 47150

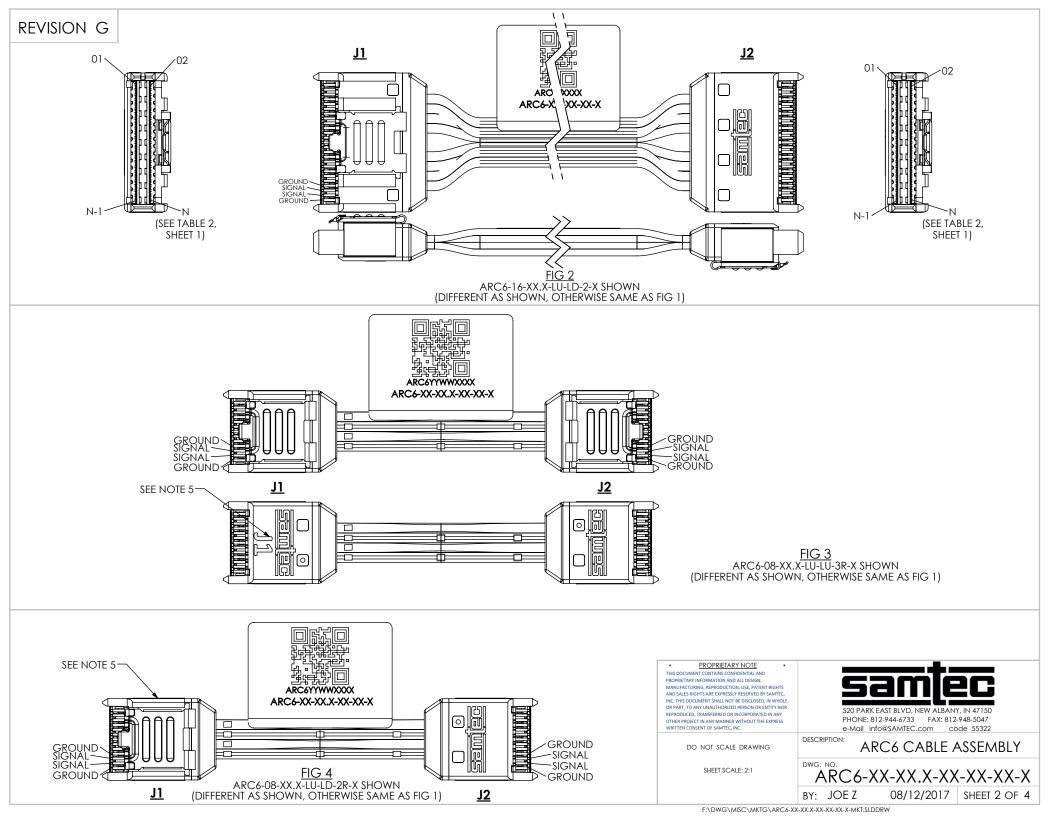
DWG. NO. ARC6-XX-XX.X-XX-XX-XX

BY: JOE Z

08/12/2017 | SHEET 1 OF 4

FAX: 812-948-5047

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



# REVISION G

							AF	RC6-08-	XX.X-	XX-XX-	XX-	X S	IGNAL N	<b>APPING</b>	}									
WIRING OPTION													POSIT	TONS										
_	J1	1	3	5	7	9	11	13	15 17	19	21	23	25	2	4	6	8	10 1	14	16	18	20	22 24	26
-2	NAME	GND1	_	NR.	GND1		_	GND1	PAIR				GND1	GND2	P	٩IR	GND2	PAIF		_				GND2
(PIN1 TO PIN 2)	J2	2	4	6	8		12		16 18		_	24		1	3	5	7	9 1	1 13	15	17	19	21 23	
	J1	1	3	5	7	9	11	13	15 17	19	21	23	25	2	4	6	8	10 1:	14	16	18	20	22 24	26
-3	NAME	GND1	_	_	GND1			GND1	PAIR				GND1	GND2	_	_	GND2	_	GND2	_		GND2		GND2
(PIN1 TO PIN N-1)	DINI NL1)	25	23	21	19	17	15	13	11 9	7	5	3	1	26	24	22	20	18 1	14	12	10	8	6 4	2
-2R	J1	1	3	5	7	9	11	13	15 17	19	21	23	25	2	4	6	8	10 1	2 14	16	18	20	22 24	26
	NAME	GND1	PA	١R	GND1	PΑ	ΝR	GND1	PAIR	GND1	PA	۱R	GND1	GND2	P	٩IR	GND2	PAIF	GND2	PΑ	ΝR	GND2	PAIR	GND2
(PIN1 TO PIN 2)	J2	2	6	4	8	10	12	14	18 16	20	22	24	26	1	3	5	7	11 9	13	15	17	19	23 21	25
-3R	J1	1	3	5	7	9	11	13	15 17	19	21	23	25	2	4	6	8	10 1	2 14	16	18	20	22 24	26
(PIN1 TO PIN N-1)	NAME	GND1	PA	ΝR	GND1	PA	ΝR	GND1	PAIR	GND1	PA	۱R	GND1	GND2	P	٩IR	GND2	PAIF	GND2	PΑ	ΝR	GND2	PAIR	GND2
(PINT TO PIN N-T)	J2	25	21	23	19	17	15	13	9 11	7	5	3	1	26	24	22	20	16 1	14	12	10	8	4 6	2
				Α	LL L <mark>IKE</mark>	NΑ	ME	D GRO	UNDS	ARE C	MIC	NON	IT DNA	ED TO C	CAE	BLE	SHIELD	)						
ON THE	MATING	BOAR	DA	SSI	EMBLY,	SA	MT	EC REC	COMN	IENDS I	MPL	ΕN	<b>IENTING</b>	A GND I	REI	ER	RENCE	YING	ALL GN	ND"S	S TO	DGETHE	R	

					ARC6-	16-XX.)	K-XX-X	X-XX->	( SI	3N/	AL MAF	PPING								
WIRING OPTION										PC	OITIZ	NS								
	J1	1	3 5	7	9 11	13	15 17	19	21	23	25	27 29	31	33 3	37	39 41	43	45 4	17	49
	NAME	GND1	PAIR	GND1	PAIR	GND1	PAIR	GND1	PA	IR	GND1	PAIR	GND1	PAI	GND1	PAIR	GND1	PAI	R	GND1
-2	J2	2	4 6	8	10 12	14	16 18	20	22	24	26	28 30	32	34 3	38	40 42	44	46 4	18	50
(PIN1 TO PIN 2)	J1	2	4 6	8	10 12	14	16 18	20	22	24	26	28 30	32	34 3	38	40 42	44	46	10	50
(1.11.1011112)	NAME	GND2	-			GND2		GND2	_	_	GND2		GND2		GND2		GND2	PAI	_	GND2
	J2	GND2	3 5	7	9 11		15 17	19	21	_	25	27 29	31			39 41	43	45	_	49
				_										33 3						
-	J1	1	3 5	7	9 11		15 17	19	21		25	27 29	31	33 3		39 41	43	45 4		49
	NAME	GND1		GND1		GND1		GND1			GND1	PAIR			GND1		GND1			GND1
-3	J2	49	47 45	43	41 39	37	35 33	31	29	27	25	23 21	19	17 1	13	11 9	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 3	38	40 42	44	46 4	18	50
	NAME	GND2	PAIR	GND2	PAIR	GND2	PAIR	GND2	PA	IR	GND2	PAIR	GND2	PAI	GND2	PAIR	GND2	PAI	R	GND2
	J2	50	48 46	44	42 40	38	36 34	32	30	28	26	24 22	20	18 1	14	12 10	8	6	4	2
	J1	1	3 5	7	9 11	13	15 17	19	21	23	25	27 29	31	33 3	37	39 41	43	45 4	17	49
	NAME	GND1	-	GND1	-	GND1	-	GND1	-	_	GND1	PAIR			R GND1		GND1	PAI	_	GND1
-2R	J2	2	6 4	8	10 12		18 16		22	24	26	30 28	32	34 3	38	42 40	44	46 4	_	50
(PIN1 TO PIN 2)																				
(FINT TO FIN 2)	J1	2	4 6	8	10 12		16 18		22	_	26	28 30	32	34 3		40 42		46	_	50
	NAME	GND2		GND2		GND2		GND2	_	_					GND2		GND2	PAI		GND2
	J2	1	3 5	7	11 9	13	15 17	19	23	21	25	27 29	31	35 3	37	39 41	43	47	15	49
	J1	1	3 5	7	9 11	13	15 17	19	21	23	25	27 29	31	33 3	37	39 41	43	45 4	17	49
	NAME	GND1	PAIR	GND1	PAIR	GND1	PAIR	GND1			GND1	PAIR	GND1	PAIF	GND1	PAIR	GND1	PAI	_	GND1
-3R	J2	49	45 47	43	41 39	37	33 35	31	29	27	25	21 23	19	17 1	5 13	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 3	38	40 42	44	46 4	18	50
	NAME	GND2		GND2		GND2	-	GND2			GND2		GND2		R GND2		GND2	PAI	_	GND2
	J2	50	48 46		40 42		36 34	32	28		26	24 22	20	16 1		12 10		4	-	2
						ROUND			_	_										
ON THE MATIN	NG BOA	RD AS	SEMBL	Y, SAN	ITEC	RECOM	MENDS	S IMPLI	EME	NT	ING A	GND R	EFERE	NCE	TYING A	LL GN	D"S TO	GETI	HEI	R

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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

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SHEET SCALE: 2:1

DESCRIPTION:

ARC6 CABLE ASSEMBLY

									ARC6-2	24-XX	X-XX-X	X-XX->	( SIGN	AL MAF	PPING											
WIRING OPTION	POSITIONS																									
	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
	NAME	GND1	PAIR	GND1	PAIR	GND1	PAIR	GND1		GND1	PAIR		PAIR	GND1	PAIR	GND1		GND1		GND1		GND1	PAIR	GND1	PAIR	GND1
-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	46	58 60	62	64 66	68	70 72	74
(PIN1 TO PIN 2)	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	GND2		_			PAIR																		PAIR	
	J2	1	3 5		9 11		15 17		21 23	25	27 29		33 35		39 41	43	45 47	49	51 53	55	57 59		63 65		69 71	
	14	1	3 5	7	9 11	13	15 17	10	21 23	25	27 29		33 35	37	39 41		45 47		51 53		57 59	61	63 65	67	69 71	73
	J1 NAME	GND1		GND1			PAIR	19 GND1		25 GND1	PAIR														PAIR	
-3	J2		71 69		65 63		59 57		53 51	49	47 45		41 39		35 33		29 27		23 21		17 15	13	11 9	7	5 3	1
(PIN1 TO PIN N-1)																										
(FINI IO FINITEI)	J1	2	4 6	8	10 12		16 18	20	22 24	26	28 30		34 36	38	40 42		46 48		52 54		58 60	62 CND2	64 66	68	70 72	
	NAME J2		72 70		PAIR 66 64		60 58		54 52	50	48 46		42 40	38	36 34		30 28		24 22	20 20	18 16	14	12 10	<u>GND2</u> 8	PAIR 6 4	2
	J2	74																								
	J1	1	3 5		9 11		15 17		21 23		27 29		33 35		39 41		45 47		51 53		57 59	61	63 65		69 71	73
	NAME	GND1									PAIR														PAIR	
-2R	J2	2	6 4	8	10 12	14	18 16	20	22 24	26	30 28	32	34 36	38	42 40	44	46 48	50	54 42	46	58 60	62	66 64	68	70 72	74
(PIN1 TO PIN 2)	J1	2	4 6	8	10 12	14	16 18	20	22 24		28 30		34 36	38	40 42		46 48		52 54		58 60		64 66		70 72	
	NAME	GND2	PAIR	GND2	PAIR	GND2	PAIR	GND2	PAIR	GND2			PAIR	GND2	PAIR	GND2			PAIR	GND2	PAIR	GND2	PAIR	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	51 53	55	59 57	61	63 65	67	71 69	73
	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
	NAME	GND1		GND1		GND1					PAIR														PAIR	
-3R	J2	73	69 71	67	65 63		57 59		53 51	49	45 47		41 39	37	33 35		29 27		21 23		17 15	13	9 11	7	5 3	
(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			GND2			PAIR										PAIR								PAIR	
	J2	74	72 70		64 66		60 58		52 54	50	48 46		40 42	38	36 34		28 30		24 22		16 18	14	12 10		4 6	2
						•					S ARE															
		0	N THE	ΜΔΠΝ	IG BOA	RD AS	SEMBI	Y SAI	MTEC 5	PECON/	IMENIDS	SIMPLI	EMENIT	NG A	GND B	FFFRE	NCE T	/ING A	I I GNE	O"S TO	GETHE	R				
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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:

ARC6 CABLE ASSEMBLY

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

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