

DO NOT
SCALE FROM
THIS PRINT

FOPC-XX-XX-XXX-XX-XX

- END 1**
 MTP MALE: -01
 MTP FEMALE: -02
 QSFP LOOPBACK MALE: -03
 QSFP LOOPBACK FEMALE: -04
 CXP LOOPBACK MALE: -05
 CXP LOOPBACK FEMALE: -06
- END 2***
 MTP MALE: -01
 MTP FEMALE: -02
- CONSTRUCTION***
 -01: 3mm ROUND JACKET
 -02**: ORANGE SECURE KEY MTP
 -03**: BLUE SECURE KEY MTP
- FIBERS***
 -12
 -24
- LENGTH***
 -003: 3 METERS
 -010: 10 METERS
 -100: 100 METERS
 (OTHER LENGTHS AVAILABLE AS CUSTOM PART NUMBERS)

* LEAVE BLANK FOR END 1 OPTIONS -03, -04, -05, -06
 **AVAILABLE ONLY WITH END OPTION -02 AND -24 FIBERS

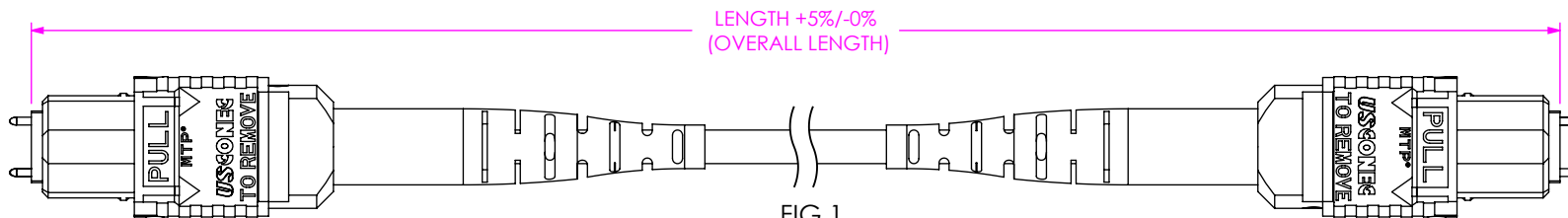


FIG 1
 FOPC-01-01-XXX-12-01 SHOWN

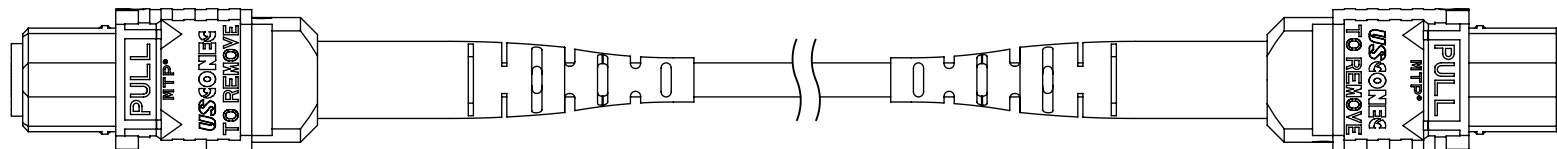


FIG 2
 FOPC-02-02-XXX-24-01 SHOWN

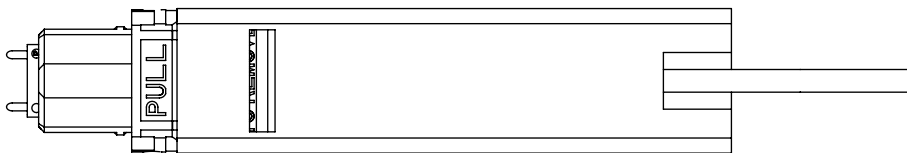


FIG3
 FOPC-03 SHOWN

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS, UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
 TOLERANCES ARE:
 DECIMALS ANGLES
 .XX: ±.01[.3] 2°
 .XXX: ±.005[.13]
 .XXXX: ±.0020[.051]

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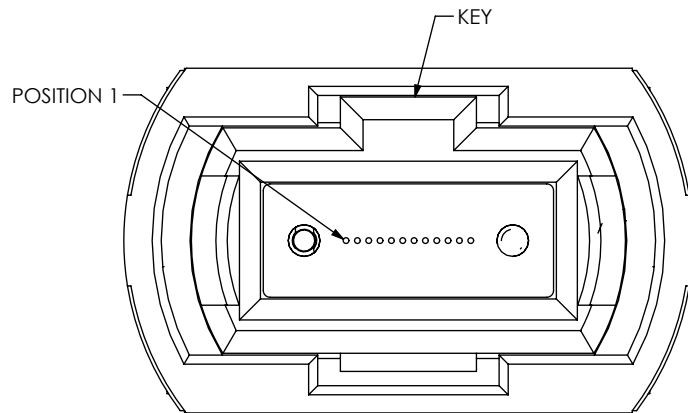
520 PARK EAST BLVD, NEW ALBANY, IN 47150
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DO NOT SCALE DRAWING SHEET SCALE: 2:3

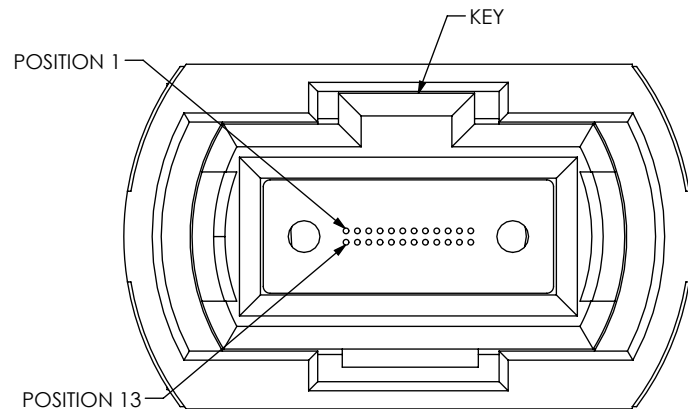
DESCRIPTION: FIBER OPTIC PATCH CABLE

DWG. NO. FOPC-XX-XX-XXX-XX-XX

BY: JEAN W. 02/05/2015 SHEET 1 OF 4



12 FIBER CONNECTOR



24 FIBER CONNECTOR

TABLE 2: 12 FIBER CABLE POLARITY (TYPE B)			
SIDE A POSITION	FIBER COLOR		SIDE B POSITION
1	BLUE		12
2	ORANGE		11
3	GREEN		10
4	BROWN		9
5	SLATE		8
6	WHITE		7
7	RED		6
8	BLACK		5
9	YELLOW		4
10	VIOLET		3
11	ROSE		2
12	AQUA		1

TABLE 2: 24 FIBER CABLE POLARITY (TYPE C)			
SIDE A POSITION	FIBER COLOR		SIDE B POSITION
1	BLUE		13
2	ORANGE		14
3	GREEN		15
4	BROWN		16
5	SLATE		17
6	WHITE		18
7	RED		19
8	BLACK		20
9	YELLOW		21
10	VIOLET		22
11	ROSE		23
12	AQUA		24
13	BLUE		1
14	ORANGE		2
15	GREEN		3
16	BROWN		4
17	SLATE		5
18	WHITE		6
19	RED		7
20	BLACK		8
21	YELLOW		9
22	VIOLET		10
23	ROSE		11
24	AQUA		12

NOTES:

1. ALL PATCH CABLES BUILT WITH 12 FIBERS ARE ANSI/TIA-568.3-D TYPE-B:1-1 (SEE TABLE 1)
2. ALL PATCH CABLES BUILT WITH 24 FIBERS ARE ANSI/TIA-568.3-D TYPE-A:2-2 (SEE TABLE 2)
3. EMAIL OPTICS@SAMTEC.COM FOR SPECIFIC APPLICATION INFORMATION

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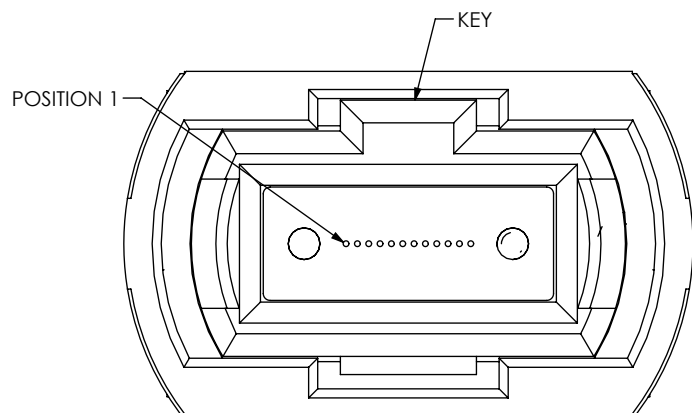


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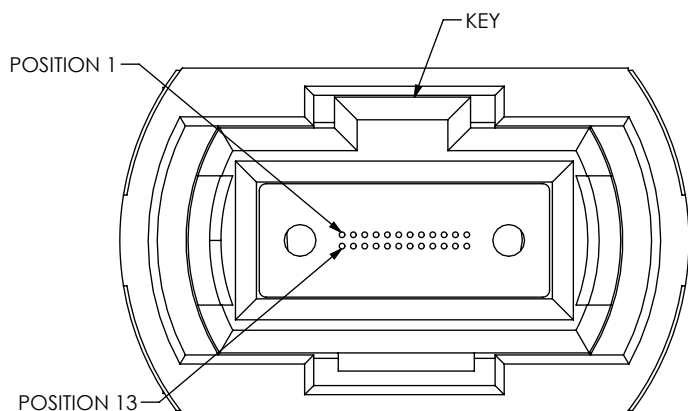
DWG. NO. **FOPC-XX-XX-XXX-XX-XX**

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QSFP LOOPBACK

TABLE 5: QSFP LOOPBACK COLOUR CODING			
		FIBER COLOR	
1	12	BLUE	
2	11	ORANGE	
3	10	GREEN	
4	9	BROWN	
5	8	SLATE	
6	7	WHITE	



CXP / CFP LOOPBACK

TABLE 6: CXP/CFP LOOPBACK COLOUR CODING			
		FIBER COLOR	
1	13	BLUE	
2	14	ORANGE	
3	15	GREEN	
4	16	BROWN	
5	17	SLATE	
6	18	WHITE	
7	19	RED	
8	20	BLACK	
9	21	YELLOW	
10	22	VIOLET	
11	23	ROSE	
12	24	AQUA	

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2. ALL PATCH CABLES BUILT WITH 24 FIBERS ARE ANSI/TIA-568.3-D TYPE-A:2-2 (SEE TABLE 2)
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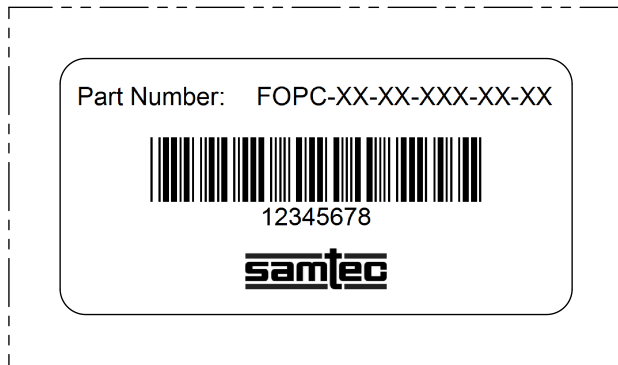
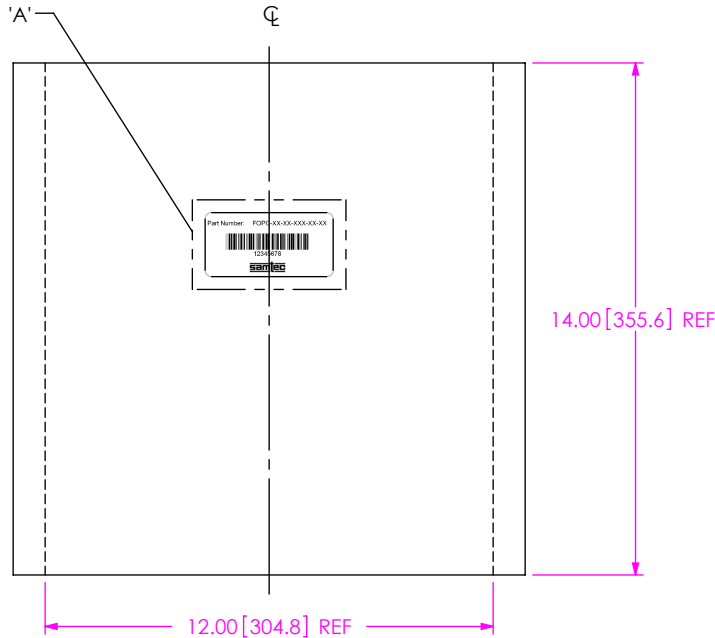
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DESCRIPTION: FIBER OPTIC PATCH CABLE

DWG. NO. **FOPC-XX-XX-XXX-XX-XX**

BY: JEAN W. 02/05/2015 SHEET 3 OF 4

PACKAGING VIEW



DETAIL 'A'

FIBER CABLE SPECIFICATIONS	
JACKET COLOR	AQUA
JACKET UL RATING	UL-910 OFNP
MODE	MULTIMODE
INSERTION LOSS	< 0.75 dB
RETURN LOSS	> 20 dB
OPERATING WAVELENGTH	850 nm - 1310 nm
CORE/CLADDING/BUFFER	50 μm / 125 μm / 250 μm

TABLE 3: FIBER OPTIC PATCH CABLE	
PART NUMBER	BOM ITEM
FOPC-01-01-003-12-01	CCS-187300-01-FC
FOPC-01-01-010-12-01	CCS-187300-02-FC
FOPC-01-01-100-12-01	CCS-187300-03-FC
FOPC-01-01-003-24-01	FOP-06-06-A-24-01-003.0
FOPC-01-01-010-24-01	FOP-06-06-A-24-01-010.0
FOPC-01-01-100-24-01	FOP-06-06-A-24-01-100.0
FOPC-01-02-003-12-01	CCS-185419-01-FC
FOPC-01-02-010-12-01	CCS-185419-02-FC
FOPC-01-02-100-12-01	CCS-185419-03-FC
FOPC-01-02-003-24-01	FOP-06-07-A-24-01-003.0
FOPC-01-02-010-24-01	FOP-06-07-A-24-01-010.0
FOPC-01-02-100-24-01	FOP-06-07-A-24-01-100.0
FOPC-02-01-003-12-01	CCS-185419-01-FC
FOPC-02-01-010-12-01	CCS-185419-02-FC
FOPC-02-01-100-12-01	CCS-185419-03-FC
FOPC-02-01-003-24-01	FOP-06-07-A-24-01-003.0
FOPC-02-01-010-24-01	FOP-06-07-A-24-01-010.0
FOPC-02-01-100-24-01	FOP-06-07-A-24-01-100.0
FOPC-02-02-003-12-01	CCS-187303-01-FC
FOPC-02-02-010-12-01	CCS-187303-02-FC
FOPC-02-02-100-12-01	CCS-187303-03-FC
FOPC-02-02-003-24-01	FOP-07-07-A-24-01-003.0
FOPC-02-02-010-24-01	FOP-07-07-A-24-01-010.0
FOPC-02-02-100-24-01	FOP-07-07-A-24-01-100.0
FOPC-02-02-003-24-02	CCS-192313-03-FC
FOPC-02-02-010-24-02	CCS-192313-05-FC
FOPC-02-02-100-24-02	CCS-192313-04-FC
FOPC-02-02-003-24-03	CCS-192314-03-FC
FOPC-02-02-010-24-03	CCS-192314-05-FC
FOPC-02-02-100-24-03	CCS-192314-14-FC
FOPC-03	QSFP-MTP-LOOPBACK-OM3-M
FOPC-04	QSFP-MTP-LOOPBACK-OM3-F
FOPC-05	MTP-24-LOOPBACK-OM3-M
FOPC-06	MTP-24-LOOPBACK-OM3-F

TABLE 4: BOM					
ITEM	PART NUMBER	DESCRIPTION	QTY	COST QTY	UOM
1	SEE TABLE 3	FIBER OPTIC PATCH CABLE	1	1	EACH
2	SSBAG-12X14-AS	PACKAGING BAG	1	1	EACH
3	LABEL-4X2	LABEL	1/3000	1/3000	EACH

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