

DO NOT SCALE FROM THIS PRINT

FOPC-XX-XX-XXX-XX-XX

- END 1**
- 01: MTP MALE
  - 02: MTP FEMALE
  - 03: QSFP LOOPBACK MALE
  - 04: QSFP LOOPBACK FEMALE
  - 05: CXP LOOPBACK MALE
  - 06: CXP LOOPBACK FEMALE

- CONSTRUCTION\***
- 01: 3mm ROUND JACKET
  - \*\* -02: ORANGE SECURE KEY MTP
  - \*\* -03: BLUE SECURE KEY MTP

- FIBERS\***
- 12
  - 24

- END 2\***
- 01: MTP MALE
  - 02: MTP FEMALE

- 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

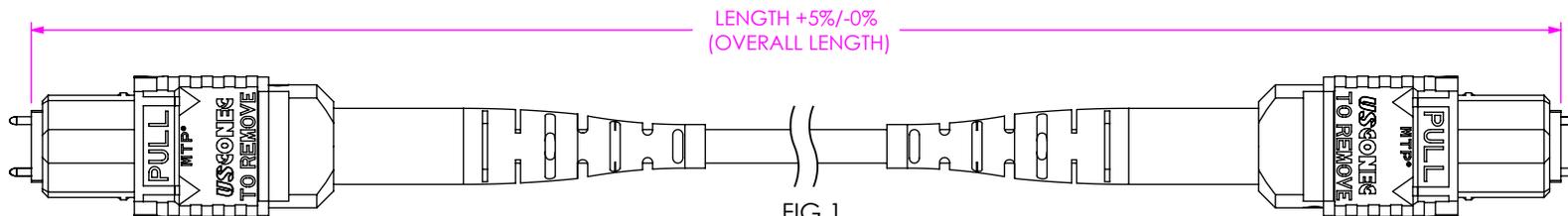


FIG 1  
FOPC-01-01-XXX-12-01 SHOWN

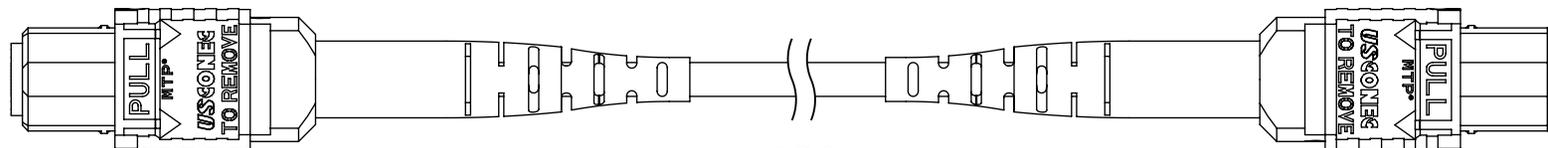


FIG 2  
FOPC-02-02-XXX-24-01 SHOWN

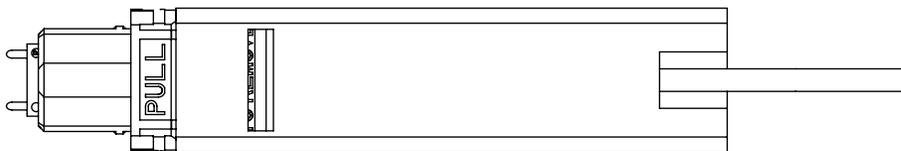


FIG 3  
FOPC-03 SHOWN

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

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS	ANGLES
.XX: ±.01[0.3]	2°
.XXX: ±.005[0.13]	
.XXXX: ±.0020[0.051]	

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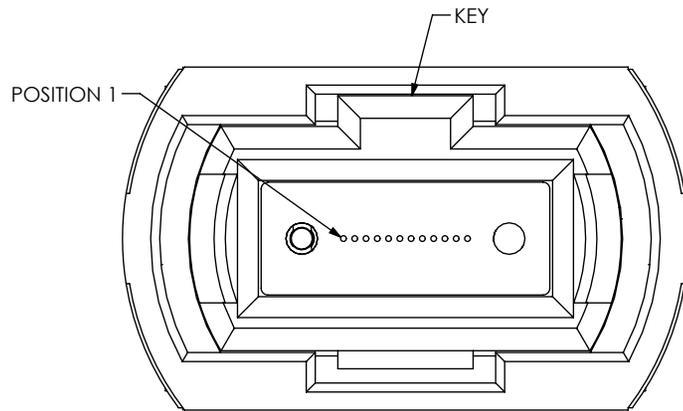
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code 55322

DO NOT SCALE DRAWING SHEET SCALE: 3:2

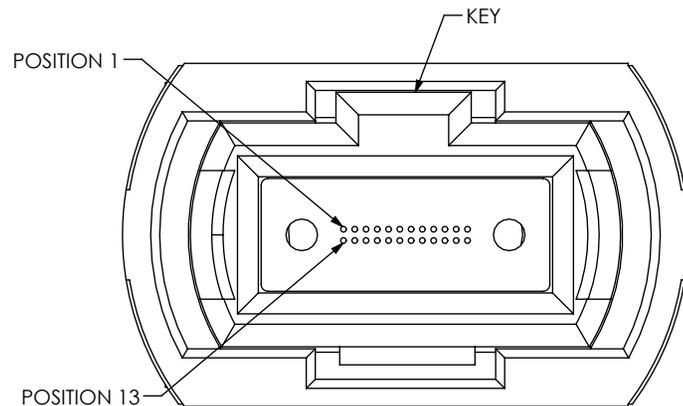
DESCRIPTION: FIBER OPTIC PATCH CABLE

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 1: 12 FIBER CABLE POLARITY		
SIDE A POS	FIBER COLOR	SIDE B POS
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			
SIDE A POS	FIBER COLOR	SIDE B POS	
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

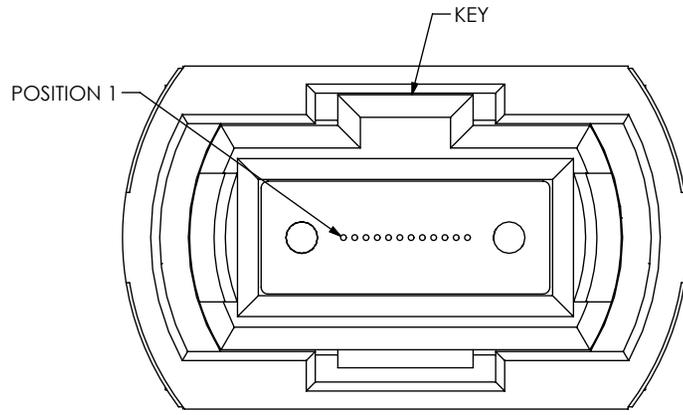
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**samtec**  
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 e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
 FIBER OPTIC PATCH CABLE

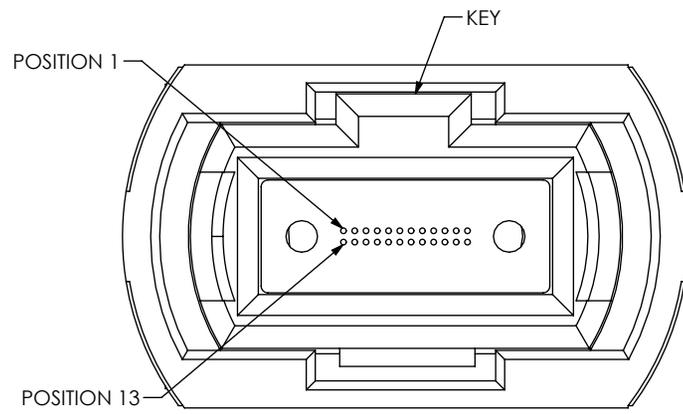
DWG. NO.  
**FOPC-XX-XX-XXX-XX-XX**

BY: JEAN W. 02/05/2015 SHEET 2 OF 4



QSFP LOOPBACK

TABLE 3: QSFP LOOPBACK COLOR 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 4: CXP/CFP LOOPBACK COLOR 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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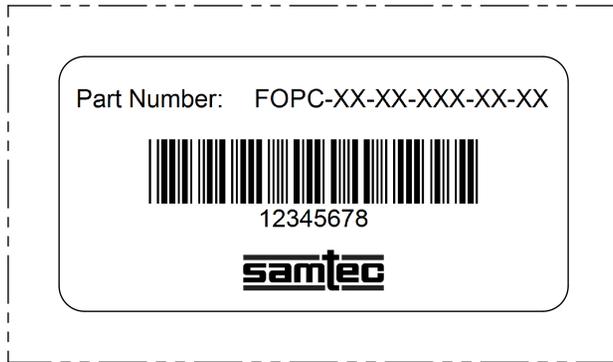
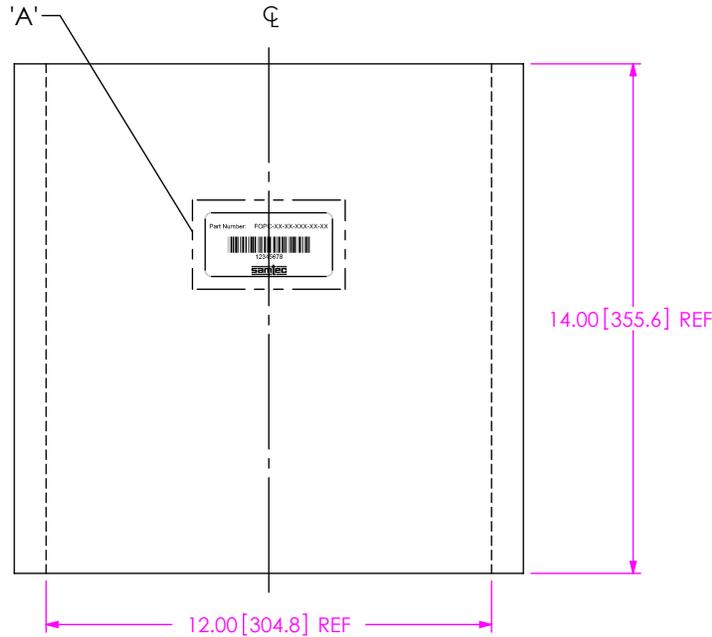
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 PHONE: 812-944-6733 FAX: 812-948-5047  
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DESCRIPTION: FIBER OPTIC PATCH CABLE

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

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

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



DETAIL 'A'

TABLE 5: 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
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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 6: 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

PACKAGING VIEW

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	DESCRIPTION: FIBER OPTIC PATCH CABLE	
	DWG. NO. <b>FOPC-XX-XX-XXX-XX-XX</b>	
BY: JEAN W.      02/05/2015      SHEET 4 OF 4		