

LOC	DIST	REVISIONS					
EA	51	P	LTR	DESCRIPTION	DATE	DWN	APVD
		G		REVISED PER EC OAO0-0434-03	26NOV03	SM	PD

**NOTE:**  
 1. CONNECTOR KEYING CONFORMS TO ANSI X3T9.5/84-48.  
 ▲ LED IS 'ON' WHEN IN INSERTED STATE.

**SPECIFICATIONS:**

SWITCH LEGEND	
PI = PRIMARY IN	PTx = PRIMARY TRANSMIT
SO = SECONDARY OUT	STx = SECONDARY TRANSMIT
PO = PRIMARY OUT	PRx = PRIMARY RECEIVE
SI = SECONDARY IN	SRx = SECONDARY RECEIVE

PART NO.	FIBER TYPE
209163	62.5/125/250

**INSERTION LOSS**

INSERTION LOSS DATA INCLUDES TWO CONNECTED PAIRS TESTED PER FOTP-34 METHOD A2

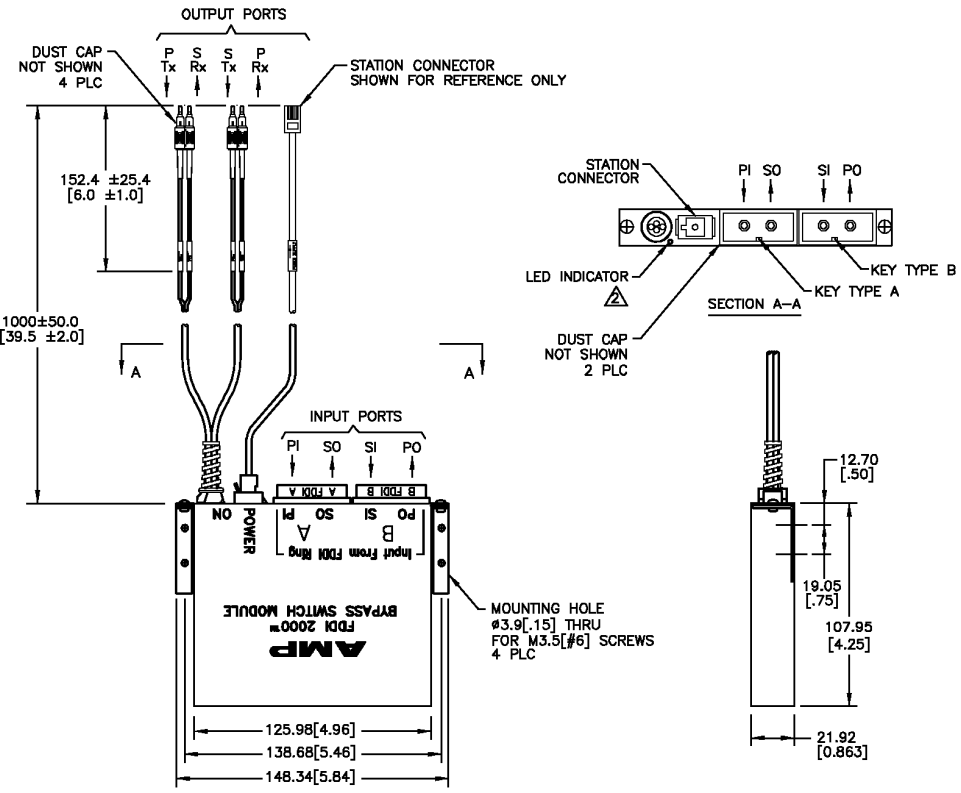
**OPERATE MODE, POWER ON**

PI LINE TO PRX STATION	2.2 DB MAX
SI LINE TO SRX STATION	2.2 DB MAX
PTX STATION TO PO LINE	2.2 DB MAX
STX STATION TO SO LINE	2.2 DB MAX

**BYPASS MODE, POWER OFF**

PI LINE TO PO LINE	2.2 DB MAX
SI LINE TO SO LINE	2.2 DB MAX
PTX STATION TO PRX STATION	5.0 DB MAX
STX STATION TO SRX STATION	5.0 DB MAX

OPTICAL CROSSTALK	< / = -45 DB, PER FOTP-42
OPERATING WAVE LENGTH	750 TO 1450nm
TESTED WAVELENGTH	1300nm
POWER REQUIREMENTS	4.0 TO 5.5 VDC
	190 MA MAX AT 5.0 VDC W/ LED
SWITCHING SPEED	10 MILLISECONDS MAX



	KIT P/N	MODULE P/N	POWER CORD P/N	STATION CONNECTOR TYPE
OBSOLETE	209163-1	209662-3	209501-1	6 POS. MTE RECEPTACLE
OBSOLETE	209163-2	209662-3	209502-1	6 POS. SHIELDED DIN PLUG
	209163-3	209662-3	209503-1	6 POS. SHIELDED MOD PLUG
	209163-4	209662-3	209504-1	6 POS. SHIELDED MINI DIN
OBSOLETE	209163-5	209662-3	209505-1	9 POS. SUB-D
	209163-6	209662-3	209506-1	4 POS. MOD PLUG
OBSOLETE	209163-7	209662-3	209507-1	25 POS. SHIELDED HDE PLUG

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM [inches]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN R. MONTANEZ 03/16/99	Tyco Electronics Corporation Harrisburg, PA 17105-3608
0 PLC ± .	1 PLC ± 1.27	CHK E. ANDERSON 03/16/99	
2 PLC ± .13	3 PLC ± .	APVD H. BAUM 03/16/99	NAME
4 PLC ± .	4 PLC ANGLES ± 2'	PRODUCT SPEC	BYPASS SWITCH KIT
MATERIAL	FINISH	APPLICATION SPEC	FSD MIC ADAPTOR/DUPLEX SC PIGTAIL
		WEIGHT	SIZE CAGE CODE DRAWING NO RESTRICTED TO
			A3 00779 C-209163
CUSTOMER DRAWING			SCALE NONE SHEET 1 OF 1 REV G