

Item	Model number	Description	Quantity	Manufacturer
1).	<i>New Optical Fiber</i>			
1	PM Panda Fiber	SM.13-P-7/125-UV/UV-400		Fujikura
2	Er Dope Fiber (EDFA Fiber)	Er 109		INO
3	Er Dope Fiber (EDFA Fiber)	HE 980 Sm. X Spos, Red Tape		Lucent (OFS)
4	Er Dope Fiber (EDFA Fiber)	HP 980		Lucent
5	FS SMB-D0980-MCVD	SPEC 980 Coupler Fiber (Red Color)		Lucent
6	Pure Mode HI 980	Hi Engineering Fiber		Corning
7	Pure Mode HI1060	Hi Engineering Fiber		Corning
8	Pure Mode HI1550	Hi Engineering Fiber		Corning
2).	<i>Fiber Optical Jumper</i>			
1		FC/PC to FC/PC SMF28 Cable Jumper 2M		
2		FC/PC to FC/PC SMF28 900um Buffered Jumper 3M		
3		FC/APC to FC/APC SMF28 Cable Jumper 2M		
4		SC/PC to SC/PC SMF28 Cable Jumper 2M		
5		SC/APC to SC/APC SMF28 900um Buffered Jumper 3M		
6		SC/APC to SC/APC Hi980 900um Buffered Jumper 3M		
7		SC/APC to SC/APC Hi1060 900um Buffered Jumper 3M		
8		LC/PC to LC/PC SMF28 250um Jumper 3M		Lucent
9		LC/PC to LC/PC SMF28 900um Buffered Jumper 3M		Lucent
10		E2000 APC SMF28 900um Buffered Jumper 3M		JDSU
11		E2000 APC SMF28 900um Buffered Terminal 2M		JDSU

12		BLC/UPC 2 POS. SMF28 900um Buffered Jumper		Molex
13		AVIM/APC SMF28 9000um Buffered Jumper 2M		JDSU
14	MP012 UPC/MP12TPC-2-GSO/T-0.3M	MTP/MTP Multimode Jumper (0.3-0.4M)		FiTel
15	MM62.5MP012 PAICH CODE	MTP/MTP Male to Female Splitter Multimode Jumper (0.3M)		FiTel
16		Any Type Adapter		
17	SC-AP-125-SM-0.9mm	SC Angle Polish 0.9 mm Connector (Set)		Fujikura
18		FC/PC Polish Connector (Set)		Fujikura

19	KLP101530	Optical Connector Polishing Rubber Pad		SII
3).	Passive Components			
1	YC-1100-155	3 Port Mini Circulator		FDK
2	WDM-2X2-1480/1590-0	1480/1590 WDM Fused Coupler		
3	WDM-1X2-980/1590-0	980/1590 WDM Fused Coupler		
4	AHXJL32R02103-1	S-Band /1510-1610 WDM Isolator		JDSU
5	1480/1525-1610 WDM	1480/1550/1610 Micro Optical WDM Module		JDSU
6	FWSWY1H003203	1310/1480/1550 WDM		JDSUniphase
7	CFOI100200CD112	Interleaver		Oplink
8		1/99, 2/98, 3/97, 5/95, 10/90 Fiber Optical Coupler		JDSU
9	WD1504E	1540.462, 1550.165, 1557.848		JDSU
10	WD150D2AE	1530.33, 1531.90, 1533.47, 1535.04		JDSU
11	WD150D2BE	1538.19, 1539.77, 1541.35, 1542.94		JDSU
12	WD150D2CW	1547.72, 1549.32, 1550.92, 1552.52		JDSU
13	WD150D2DE	1555.75, 1557.36, 1558.98, 1560.61		JDSU
14	08-000553	Fiber Bragg Grating Device (Most Ch.)		JDSU
15	ACWA108+1E NC	1x8 AWG Splitter		JDSU
16		L-Band Single Stage Isolator		JDSU
17		C-Band Single Stage Isolator / Dual Stage Isolator		SLC
18	ACISI+1P1.5NC	Intergrated Tap/Isolator (C Band)		JDSU

19	TFT-C01001000	Intergrated Tap/Isolator (C+L) Band		JDSU
20	ASEF2C10JDS06-2	ASE Noise Rejection Filter		JDSU
21	GFFJCF1001901	Gain Flattening Filter, Thin Film		JDSU
22	MOFIY2PYNTL	2 Stage Free Space Isolator		JDSU/Fibx
23	TFB-0109-1-03-125-SM	7 in 1 SMF Power Combiner (ErYb Gain Module)		OFS/Lucent
24	LDSFA-103A	Optical Coupling Lens		Asahi
3).	New Pump Laser Module	ASE/EDFA Laser		
		Pump Laser		
	FOL0903PMX-D17-976	980nm Pump Laser (120mW)		Furukawa
	480104365 QLM9S480-607	Corning- Lasertron 980nm Pump Laser (976nm)		Lasertron
	SDLO-2564-145-GN	980nm Pump Laser (976nm)		JDSU
	SDLO-26-7802-160	980nm Pump Laser (976nm)		JDSU
	26-7402-145	980nm Pump Laser (976nm)		JDSU
	26-8052-180	980nm Pump Laser (980nm)		JDSU
	27-7601-200-MC	980nm Pump Laser (976nm)		JDSU
	27-7603-200-QA	980nm Pump Laser (976nm)		JDSU

9	27-8000-220	980nm Pump Laser (980nm)		JDSU
10	16-6002-280	960nm Pump Laser (960nm)		JDSU
11	27-7404-280	980nm Pump Laser (976nm)		JDSU
12	29-7602-320	980nm Pump Laser (976nm)		JDSU
13	29-7602-400	980nm Pump Laser (976nm)		JDSU
14	29-7602-450	980nm Pump Laser (976nm)		JDSU
15	SDLO-4210	980nm Pump Laser (1000mW)		SDL
16	1480nm Pump Laser	SLA5653-QD-35/CV1 (180mW) (1435nm)		Sumitomo
17	Fitel 1480nm Pump Laser	FOL1402PLZ-317 (140mW)		Furukawa
18	Fitel 1480nm Pump Laser	FOL1402PLF-517-1470 (160mW) /FBG		Furukawa

		Fiber Optical Amplifier		
1	MGMFL-1AEC28	Full Band Line Amplifier (C Band) 17dBm		Nortel, Bookham
2	OA1510-ANS2	Optical Fiber Peramplifier (C Band)		JDSU
3	MAC-1	Micro Amplifier (C Band)		JDSU
4	SRFA1550LXM0PPISC	Optical Line Amplifier (C Band)		JSUU-AFC
5	SRFA1590LDM0SCC	Optical Line Amplifier (L Band)		JSUU-AFC
6	N14UNA023	Optical Line Amplifier (C Band)		JDSU
7	N16UNA023	Optical Line Amplifier (C Band)		JDSU
8	WBOAFLR00A11734	Optical Line Amplifier (C Band)		Lightwaves2020
9	EDFA 2100	Fiber Optical Amplifier (C Band)		Pine Photonics
10	10-1767-02 / IOE 11340C-2005	C-Band Pre-Amplifier (C Band)		Cisco
11	10-1768-02 / IOE 11330C-2003	C-Band Booster-Amplifier (C Band)		Cisco
12	SAFA 1121-T	C Band Fiber Optical Amplifier (C Band)		Telesta
13	2000	C Band Fiber Optical Amplifier (C Band)		Optigain
		ASE / Broadband Laser Source		
1	83437A	HP Broadband Source		Agilent
2	BLS980	980nm Broadband Source		JDSU
4).	Active Components	Fiber Optical Transmitter/Transponder/Receiver		
		MODULATOR		
1	SD-10-A	10 Gb/s-12.5 Gb/s Integrated Optic Intensity Modulator with Attenuator		Corning/OTI's
2	10023707	OC-192 Modulator		JDSU
3	10021758	Equalized Mach Zender Modulator		JDSU
4	IOAP-MOD9201-F-F-1	Zero Chirp Amplitude Modulator w/ 1% Tap Coupler		JDSU
5	FTM7921ER	Dual Drive 10Gb/s LN Modulator w/ PD (Used)		Fujitsu
		Optical Modulator Drive / Filter		
1	H301-1110	Optical Modulator Drive		JDSU

2	H301-2130	Optical Modulator Drive	JDSU
3	H302-2130	Optical Modulator Drive	JDSU
4	H302-1131	Optical Modulator Drive	JDSU
5	WB258	Bandpass Filter	Filtronic
6	WB259	Bandpass Filter	Filtronic
7	WB260	Bandpass Filter	Filtronic
		Laser Diode Module (C-Band)	
1	E2505D33	1550nm DFB Laser Module (14-pin butterfly)	Lucent
2	1750A-C05-55-SC-10-B	C-BAND AWDM Laser Module (10mW)	Agere
3	CQF935/508 (Used)	C Band DFB Laser Module (LW<5MHz,20mW)	JDSU
4	CQF975/208	Wavelength Monitor Laser (LW<5MHz,10mW)	JDSU
5	CQF975/508	Wavelength Monitor Laser (LW<5MHz,20mW)	Lucent
6	CQF300/108	DBR Turnble Laser Module (PMF>10dBm)	Lucent
7	LNFE03YBE1UP	C-BAND PMF Laser Module (LW<1Mhz,25mW)	Panasonic
8	SLT4460-XN/JD1	1550nm Coaxial MQW-DFB Laser	Sumitomo
9	NX8563LB	C-Band DFB Lasder Diode PMF>10mW	NEC
10	NX8562LB	C-Band DFB Lasder Diode PMF>20mW	NEC
1	D2304G	1310nm DFB Laser Module (14-pin butterfly)	Lucent
2	FLD3F8CZ	1310 CATV DFB Laser Module (14-pin butterfly)	Fujitsu
3	FLD3F11CX	1310 CATV DFB Laser Module (14-pin butterfly)	Fujitsu
4	M-372-20AS	1310nm DFB Uncloer Laser	Lucent
5	SDT8008-TC-QN	1310nm DFB Optical Transmitter (OC48)	Sumitomo
6	FLD3C5LKR/060	1310nm Coaxial FP Laser	Fujitsu
7	FLD3F8LK	1310nm Coaxial DFB Laser	Fujitsu
8	SLT3120-XN/JD1	1310nm Coaxial MQW-FP Laser	Sumitomo
		10 Gbs 7 Pin EMI Laser Diode Module	
1	MTX310EW	1310nm 10Gbs EMI Laser Diode (Used)	Multiplex

2	FLD3F10NP	1310nm 10Gbs Laser Module (New)	Fujitsu
3	FLD3F10NP	1310nm 10Gbs EMI Laser Diode (Used)	Fujitsu
		JDSU / Agility Tunable Laser Module	
1	3205	Tunable Laser Module, C-band, 20 mW	JDSU/Agility
2	3205-D	Tunable Laser Module, C-band, 20 mW	JDSU/Agility
3	3206-D	Tunable Laser Module, L-band, 20 mW	JDSU/Agility
4	4245	Tunable Transmitter C-band, 2.5 Gb/s	JDSU/Agility
5	7100	Tunable Transponder C/L-band, 10 Gb/s, MSA	JDSU/Agility
6	3020	Tunable Laser Module Assembly	JDSU/Agility

7	3030	Tunable Laser Module Assembly	JDSU/Agility
8	3040-S	Tunable Transmitter C-band, 10 Gb/s 4mW	JDSU/Agility
9	3105	Tunable Laser Module, C-band, 10 mW	JDSU/Agility
10	3106	Tunable Laser Module, L-band, 10 mW	JDSU/Agility
11	SG-DBR	CW Widely Tunable Laser Module (C-band, 20mW, 50GHz spacing) 24pin Package	JDSU/Agility
12	SG-DBR	CW Widely Tunable Laser Module (C-band, 20mW, 50GHz spacing) 14pin Package	JDSU/Agility
13	LL2040-50-001.01-3.00	Tunable Laser Module, C-band, 20 mW	lolon
1	HY6510	Laser Diode Driver (500mA)	HYTEK
		Receiver / Photodiode	
1	FRM5N143DS/057	10 Gb/s APD Optical Avlanche Receiver	Fujitsu
2	ERM578CCD	10 Gb/s SONET/SDH APD Avlanche High Gain Receiver	JDSU
3	ERM568DXCX	10 Gb/s SONET/SDH PIN-TIA High Gain Receiver	JDSU
4	FRM5N142GW	10 Gb/s APD Optical Avlanche Receiver	Fujitsu
5	ERA1453GT		

6	TOPD371-RXJ1	10 Gb/s Fiber Optical Receiver	Toshiba
7		Luce 10 Gb/s Optical Receiver	JDSU
8	FPD5W1KS	InGaAs 2.5Gb/s APD	Fujitsu
9	127M	InGaAs 2.5Gb/s APD	Agera, Lucent
10	NDL5521P1DJ	InGaAs 2.5Gb/s APD with SC/FC Connector	NEC
10	54RM-3G20	2.5Gb/s, MSA, 2R, PIN/APD	JDSU
11	FRM3Z231KTS	2.5 Gb/s Per-Am Photodiode w/ SC Connector	Fujitsu
12	ETX 75TL	InGaAs Photodetector w/ Lensed Cap	JDSU
13		OTPDR2007-SR2	JDS Uniphase
		Tunable Filter	
1	TB2500M-Z16	Tunable Fabry-Perot Etalon Filter	JDSUniphase
2	FFP-I	Interference Turnable Filter	Micron Optics
		Optical Switch	
1		2x2 Latching Optical Switch	Oplink
		Wavelength Locking Device	
1	WL 5000 (50GHz)	Wavelength Locking Device	E-TEK
2	FPWL2110CIS02-004 (100GHz)	Wavelength Locking Device	E-TEK
		Transponder/Transmitter	
1	TA16L1CAA	2.5 Gb/s Transponder	Lucent

2	TA16L2CAA	2.5 Gb/s Transponder	Lucent
3	TA16LIWAA	2.5 Gb/s Transponder	Lucent
4	TA16N1CAA	2.5 Gb/s Transponder	Lucent
5	TA16S2CAA	2.5 Gb/s Transponder	Lucent
6	XTA16B2C31	2.5 Gb/s Transponder	Lucent
7	XTA16B2C55	2.5 Gb/s Transponder	Lucent
8	XTA16L1CAA	2.5 Gb/s Transponder	Lucent

9	XTA16N1CAA	2.5 Gb/s Transponder		Lucent
10	XT64X0003			Lucent
11	XT64X0005			Lucent
12	X-C487Y (M-C488)			Lucent
13	HFBR 7828 RX			Agilent
14	V23815-U1306-M130	PAROL Rx AC/1.6GBd		Infineon
15	V23826-H18-C363	633 MBd Transceiver 1300nm		Siemens
16	54TR-21114	1310nm OC-48	2	JDS Uniphase
17	54TR-21134	1310nm	4	JDS Uniphase
18	54TR-31114	1550nm (OC-48)	3	JDS Uniphase
19	57TR-33G324	1550nm (OC-48) (1550.92, 1551.72nm)	2	JDS Uniphase
19	OC-192 Transponder	10Gb/s Transponder (1310, 1550nm)		JDS Uniphase
20	MDTL162EW4851-135	1535.04, 1536.61, 1548.51, 1551.72 (C33)		Nortel
		CATV Transmitter Module / PCB		
1		C-Band CATV Transmitter w/ Modulatot		JDSU
2	6475	Scientific Atlanta CATV Optical Transmitter PCB Module		JDSU
3	BGY67A	200 MHz, 24 dB Gain Reverse Amplifier		Philips
4	MC-7856	CATV 22 dB Push-Pull Amplifier		NEC
5).	Use Equipment			
		OTDR		
1	8146A/ 81462SH	Single mode OTDR		Agilent
2	4000	OTDR w/ Data Logger		Photon Kinetics
3	TFS2020	Fault Finder		Tekronix
		Tunable Laser Source		
1	8168D	Tunable Laser		HP/Agilent
2		980nm Tunable Laser		Prima wave

3	TSL-210	(1380-1460nm) Tunable Laser	Santec
4	8164A/81682A	C-Band Tunable Laser Module	Agilent
5	MSLS-1000	Tunable Laser (1480-1675nm) 4 Ch	E-Tek

		<i>Fusion Splicer</i>	
1	FSM-50S	Fujikura FSM-50S Fusion Splicer Kit	Fujikura
		<i>Fiber Optical Attenuator</i>	
1	HA097	Fiber Optical Attenuator	JDSUniphase
2	8158B	Fiber Optical Attenuator	HP
3	8156A	Fiber Optical Attenuator	HP
		<i>Optical Spectrum Analyze r</i>	
1	MS9710B/Opt.10	Fiber Optical Spectrum Analyzer	Anritsu
2	AQ6330	Fiber Optical Spectrum Analyzer	Ando
3	3650HR15	Fiber Optical Spectrum Analyzer	Photonetics
4	7004A/70950A	Fiber Optical Spectrum Analyzer	HP
		<i>Wavelength Meter</i>	
1	86120B	Multi-Wavelength Meter	Agilent
2	WA-7100	Multi-Wavelength Meter, Optical Channel Analyzers	Burleigh
		<i>Laser Driver</i>	
1	LDX-3207	Laser Precision Current Source	ILX Lightwave
2	PLPS-2005	Programmable Laser Power Supplies	Muetta
	8504A	Precision Reflectometer w/Polarization Balance	HP/Agilent
	PEM-310	Polarization Extinction Ratio Meter	Santec
	ETDC-JD-01	Etalon Tunable Dispersion Compensator	JDSU
	510A	Universal Clock/Data Recovery	HP/Agilent
		4-Channel Fiber Optical mutisensor Analyzer	Photonics
	DGE-L-IN-001	Dynamic Gain Equalizer	JDSU



	81651A	1550nm Laser Source (DFB Laser)		Agilent
	S1FC1550	1550nm Laser Source		Thorlabs
	818-IR	Detectors		Newport
	SOF-C	Light Source (980, 1310, 1480, 1550nm)		SOF
	GP700	DiCon Fiber Optical Switch		DiCon
	Z2002-86142	Fiber Optical System		Agilent
	4832-C 2CH	Multi-Channel Optical Power Meter		Newport
	FL-10	Industrial Fiber Laser Subsystem		SDL