

BOM Single Level *(With Phantom Blow-Through)*

285-0259

8-Way Combiner, 1U, 150-175 MHz, <120uS,
ChSys, G1, VHF

Rev 2

Last Update 10/14/2008

Part	Rev	Qty	Description	Reference Designators	Part Type
285-0259-ASY		0			
305-0185		1	PCBA, Trunked Front End, VHF Combiner, ChSys	A1	
585-0028		9	SMA-Recept, Square Flange, 0.059", LG Diel	9	
705-0142		1	Cap, Feed-Thru, 1000pf, ±20%, 10A Max, 8-32 Thread 705-0144 valid Sub	7	
805-0082		72	Wire Teflon Hook-up,22 awg red Beldon	21	
850-0132		1	FAB,HOUSING,SPLITTER/COMBI NER, ChSys, UHF, VHF	3	Custom
850-0133		1	FAB,COVER,SPLT/COMB HOUSING, ChSys, UHF, VHF	4	Custom
850-0134		1	FAB,FRONT PANEL, SPLITTER/COMBINER, ChSys, 800, UHF, VHF	5	Custom
880-0002		2	Cable Tie, 4",White Nylon, 5/8" Max Bundle Diameter, .1" Wide,Non-Comp	11	
880-0033		2	Cable Tie Holder Screw Mnt, 4- Way Compact 0.18" #8 (0.16" Dia.) Screw	10	
900-0033		36	Screw, Machine, Phillips, Panhead, 2-56 x 1/4", 18-8 SS	13	
900-0064		36	Screw, Machine, Phillips, Panhead, 4-40 X 1/4", Non-Comp	14	
900-0092		4	Screw, Phillips, Panhead, 6-32 x 3/8", Non-Comp	16	
900-0099		3	Screw, Machine Panhead, Phillips, 6-32 x 1/4", Non-Comp	15	
900-0185		1	Terminal LockwasherLug #6 Angle	8	
925-0023		36	Washer, 4-40 Lock, Non-Comp	18	
925-0024		4	Washer,SplitLock,#6,ID.148,OD.25,. 031Thk,18-8SS,Non-Comp	19	
925-0037		36	Washer, Split Lock,#2, ID094,OD172,Thk020,18-8SS, Non- Comp	17	
945-0027		1	Locite Sealant, thread locking 242	23	

End of BOM

BOM Single Level *(With Phantom Blow-Through)*

285-0258

8-Way Splitter, 1U, 150-175 . MHz, <120uS,
ChSys, G1, VHF

Rev 2

Last Update 10/14/2008

Part	Rev	Qty	Description	Reference Designators	Part Type
285-0258-ASY		0			
305-0184		1	PCBA, Trunked Front End, VHF Splitter, ChSys	A1	
585-0028		9	SMA-Recept, Square Flange, 0.059", LG Diel	9	
705-0142		1	Cap, Feed-Thru, 1000pf, ±20%, 10A Max, 8-32 Thread 705-0144 valid Sub	7	
805-0082		72	Wire Teflon Hook-up,22 awg red Beldon	21	
850-0132		1	FAB,HOUSING,SPLITTER/COMBINER	3	Custom
850-0133		1	FAB,COVER,SPLT/COMB HOUSING	4	Custom
850-0134		1	FAB,FRONT PANEL,SPLITTER/COMB	5	Custom
880-0002		2	Cable Tie, 4",White Nylon, 5/8" Max Bundle Diameter, .1" Wide,Non-Comp	11	
880-0033		2	Cable Tie Holder Screw Mnt, 4-Way Compact 0.18" #8 (0.16" Dia.) Screw	10	
900-0033		36	Screw, Machine, Phillips, Panhead, 2-56 x 1/4", 18-8 SS	13	
900-0064		36	Screw, Machine, Phillips, Panhead, 4-40 X 1/4", Non-Comp	14	
900-0092		4	Screw, Phillips, Panhead, 6-32 x 3/8", Non-Comp	16	
900-0099		3	Screw, Machine Panhead, Phillips, 6-32 x 1/4", Non-Comp	15	
900-0185		1	Terminal LockwasherLug #6 Angle	8	
925-0023		36	Washer, 4-40 Lock, Non-Comp	18	
925-0024		4	Washer,SplitLock,#6,ID.148,OD.25,.031Thk,18-8SS,Non-Comp	19	
925-0037		36	Washer, Split Lock,#2, ID094,OD172,Thk020,18-8SS, Non-Comp	17	
945-0027		1	Locite Sealant, thread locking 242	23	

End of BOM

PARTS LIST

9/22/2008 3:36 PM

Fiber-Span 111 corporate Blvd South Plainfield, NJ 07080 908-754-0646		MODEL / PRODUCT:	NEXT ASSY:	ASSY TITLE: PCB,VHF SPLITTER	PART LIST / ASSY NO.: 305-0184-BOM					
		PROGRAM MANAGER:	CHARGE #:	NOTES:						
		ISSUED BY: SS	DATE: 8/6/2008							
		APPROVED BY:	DATE:							
		REV: A	DATE: 8/6/2008							
		FILE: 305-0184-BOM	ECN #:							
ER #:										
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR	
1		305-0184-ASY		ASSEMBLY DRAWING	REF				Fiber-Span	
2		305-0184-SCH		SCHEMATIC	REF				Fiber-Span	
3		310-0190		PRINTED CIRCUIT BOARD	1				Fiber-Span	
4										
5	C1A,C51		C17AH331J7UX	CAP,PORCELAIN CHIP	2				DIELECTRIC	
6	C1B,C5B		NOT USED							
7	C2		ECJ-2FB1E105K	CAP,CHIP,XR5,25V,0805	1	1uF			PANASONIC	
8	C3		ECJ-1VC1H102J	CAP,CHIP,NPO,25V,0603	1	1000pF			PANASONIC	
9	C4		ECJ-1VC1H101J	CAP,CHIP,NPO,50V,0603	1	100pF			PANASONIC	
10					2					
11	FL1,FL2	515-0045	TT6771B-155M	HELICAL FILTER,3 SECT,7mm	2	155-BW10			TEMWEL	
12	L1A		5T-22-3/32	IND,WW,w/BEADS	2				Fiber-Span	
13	L1B		NOT USED							
14	R1,R2		ERJ-1WYJ330	RES,CHIP,1W,5%,2512	2	33			PANASONIC	
15	U1A		AH101	IC,AMPLIFIER,MED PWR	1				W-J	
16	U1B		NOT USED							
17	Z1-Z7		SBTC-2-10L+	2-WAY SPLT/COMB	7				MINI-CKT	
18										

BOM Single Level *(With Phantom Blow-Through)*

285-0254

TCC, 3U PI, 151-154 MHz, <120uS, ChSys,
G1, Low Band, VHF

Rev 3

Last Update 3/23/2009

Part	Rev	Qty	Description	Reference Designators	Part Type
285-0254-ASY		0	TCC, 3U PI, 151-154 MHz, <120uS, ChSys, G1, Low Band, VHF		
285-0254-SCH		0			
285-0254-SPI		0	TCC, 3U PI, 151-154 MHz, <120uS, ChSys, G1, Low Band, VHF		
305-0186		1	PCBA, VHF Input, Low Band, ChSys	A1	
305-0189		1	PCBA, 3P Switched Output, VHF, Low Band	A2	
305-0192		1	PCBA, VHF Synthesizer, ChSys	A3	
310-0170	B	1	Controller Backplane Card, ChSys, G1,G2, 800MHz, UHF, VHF, (Smartcard)	10	
375-0018		2	LED, T-5mm (T-1 3/4), Right Angle, Green Diffused, 565nm, SSF- LXH100GD	DS1,DS2	
546-0042-L03		1	RFCable,SMA-f-BH_to_SMA-m- RA,RG405,.085",Semiflex,3",Non- Comp	W3	
546-0043-L12		1	RFCable,SMA-f-BH_to_SMA-m- RA,RG405,.085",Semirigid, 12", L- Sys,RoHS	W1	
546-0075-L04		2	RFCable,SMA-f-BH- 2HoleMt_to_NoConn,RG405,.085", Semiflex,L-Sys,4"	24	
585-0029		1	SMA-Recept, Ext Diel	23	
610-0028		1	Conn, Header, MTA100, Friction Lock, Notched, 15 pos., 0.100 pitch.	J1	
615-0014		10	RF Coax Tin Plated Cable EZ-Flex 47, EZ Formable .047(50ohm)	29	
705-0142		16	Cap, Feed-Thru, 1000pf, ±20%, 10A Max, 8-32 Thread 705-0144 valid Sub	C1-C2, C5-C7, C12, C14-C23	
705-0145		7	Cap, Feed-Thru, 100pf, 10A Max, 8- 32 Thread	C3-C4, C8-C11, C13	
725-1507		2	RES 510 OHM 1/2W 5% 2010 SMD, Cut Tape, RoHS	R1-R2	
765-0191		1	15 Pos wire harness, 22 AWG, for G2 TCC, Bds UHF, VHF 3 Pocket Housing		
775-0025		1	CONN DB-9 F RECPT R/A PCB AU Tyco PN 5747844-4	J3	
775-0026		1	D-Sub Accessories FEMALE SCREWLOCK KIT	31	
805-0071		10	Wire Teflon Hook-up,26awg Brown Beldon		