



NOTE:  
To select transmitted Data connect one Jumper only for:  
- Received Data - J17 (RX)  
- Retimed Data - J18 (PLL)  
- External Data - J19 (EXT)

NOTE:  
For the second optic output (TX2):  
- cut jumpers J20, J21 from U12,  
- wire pins 14, 15 (U12) to 14, 15 (U5).

NOTE:  
Default and optional signals at connectors LM1 - LM8 vs. jumpers J1 - J16 :  
1. Default (odd numbers J1, J3, J5, ... J15) - Outputs BS CLK, TTL at 50 ohm.  
2. Optional (even numbers J2, J4, J6, ... J16) :  
(\*) - Outputs, ECL via a capacitor at 50 ohm  
( ) - Outputs, TTL at 50 ohm  
(\*\*) - Inputs, ECL via a capacitor at 50 ohm

NOTE:  
\*x\* = unused I/O pins.  
C0 = Bypass capacitor 0.1 uf.  
Qty = 17;  
(Mostly not shown)  
CP = Polar. capacitor 25 uf.  
Qty = 8;  
L2, ... L6 = Inductor,  
ferrite beads

CONTRACT NO.		FERMILAB	
APPROVALS	DATE	FIBER OPTIC REPEATER RCP5(i) for 53 Mbps BS CLK	
DRAWN V. RYCHENKOV	8/12/98	SIZE D	FORM NO.
CHECKED		INO. NO.	REV.
ISSUED		SCALE	SHEET