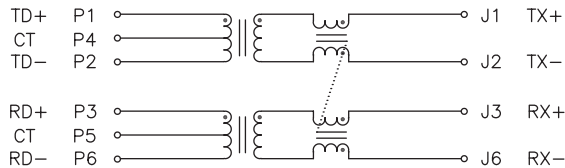


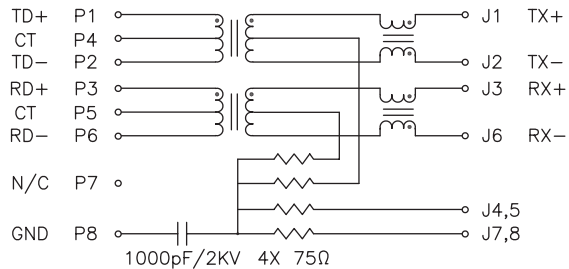
HALO is pleased to offer this complete family of single port vertical Integrated RJ-45 connectors. The Vertical FastJack™ series integrates the high performance of HALO magnetics into an industry standard vertical connector design. The result is an extremely robust, IEEE802.3 compliant solution. Vertical FastJacks™ are available for most 10BASE-T, 10/100BASE-TX and Gigabit PHY's.



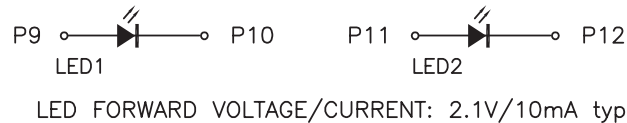
10BASE-T  
Circuit A



10/100BASE-TX  
Circuit B



Optional LED Circuit



LED Option Color Table

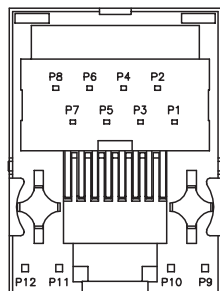
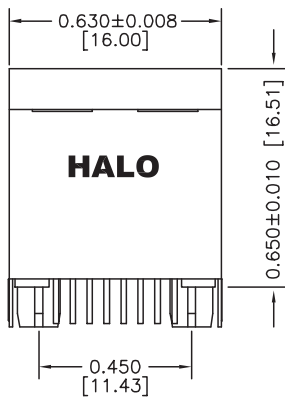
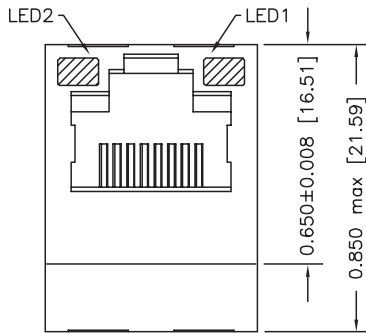
Suffix	LED1	LED2
L11	Green	Green
L12	Green	Yellow
L21	Yellow	Green

Additional LED options are available.  
Please consult the factory

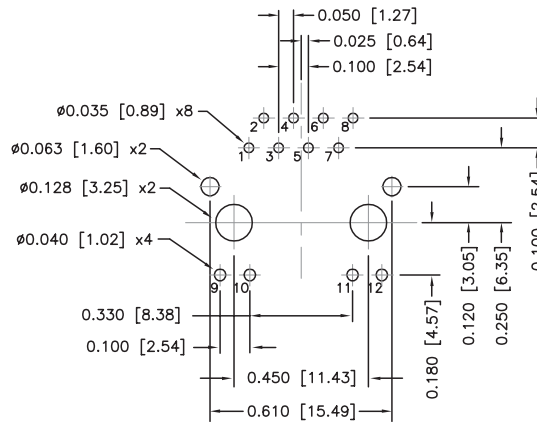
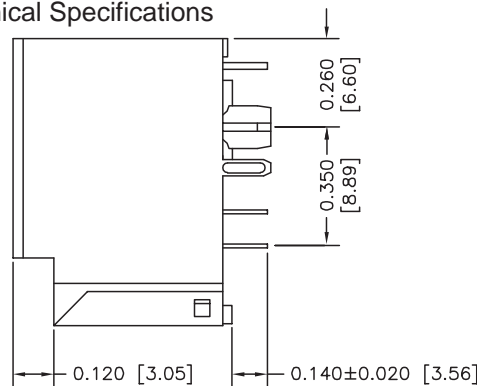
10BASE-T			10/100BASE-TX		
FastJack™	Turns Ratio		FastJack™	Turns Ratio	
Circuit A	TX	RX	Circuit B	TX	RX
HFJV1-1041	1:2.5	1:1	HFJV1-2450	1:1	1:1
HFJV1-1043	1:1.41	1:1	HFJV1-2441	1:1.41	1:1
HFJV1-1066	2:1	1:1	HFJV1-2439	1.25:1	1:1
HFJV1-1075	1:2	1:1	HFJV1-2431	1.41:1	1:1
HFJV1-1081	1:1	1:1	HFJV1-2420	2:1	1:1
HFJV1-1086	1:2	1:1			

Please see individual data sheets for complete electrical specifications.

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**Mechanical Specifications**



RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)  
DIMENSIONS: Inch [mm]



### FastJack™ Ethernet Selector Guide

10BASE-T		
Vendor	Silicon P / N	Vertical FastJack™ P/N
AMD	Am79C984A, 79C985, 79C988A, 79C989	HFJV1-1081
Cirrus Logic	CS8900-CQ/IQ, CS8920, CS8904-CM5	HFJV1-1043
Cirrus Logic	CS8900-CQ3/IQ3, CS8904-CM3	HFJV1-1041
Intel	LXT901/1A, LXT907/7A, LXT914/915	HFJV1-1043
Intel	LXT905, LXT908	HFJV1-1075
LSI	80C24/25	HFJV1-1066
RealTek	RTL8019, RTL8029	HFJV1-S101*
NSC	DP83907, DP83953	HFJV1-1086
SMSC	LAN91C95, LAN91C96 (5V)	HFJV1-S101*
SMSC	LAN91C96 (3.3V)	HFJV1-S114*

\*Contact Factory for 10BASE-T Filter data sheets

10/100BASE-TX		
Vendor	Silicon P / N	Vertical FastJack™ P/N
AMD	79C873, 79C8744, 79C875	HFJV1-2450
AMD	79C973, 79C975	HFJV1-2441
Broadcom	AC101, AC104, AC205/6/7/8	HFJV1-2450
Broadcom	BCM520x, BCM522x, BCM531x	HFJV1-2450
Crystal	CS8952	HFJV1-2450
IDT	QS6611	HFJV1-2431
IDT	QS6612	HFJV1-2439
Intel	82558/9, LXT970/1/2/3, LXT976X/978X	HFJV1-2450
Intel	LXT974A, LXT975A, LXT980/2/3	HFJV1-2420
Kendin	KS8761	HFJV1-2431
Kendin	KS8737, KS8995/E, KS8993/7/9	HFJV1-2450
LSI	80C220/80C221	HFJV1-2420
LSI	80223/84220	HFJV1-2450
Marvell	88E306x, 88E605x	HFJV1-2450
NSC	DP83223, DP83843/83846A, DP83847	HFJV1-2450
RealTek	RTL8100/1, 8139, 8150, 8201/4/8, 8305/9	HFJV1-2450
SMSC	91C9111	HFJV1-2450
ST Micro	STE10/100A, STE100P	HFJV1-2450
ST Micro	STE400P, STE800P*	HFJV1-2431
TDK	78Q2120, 78Q2121	HFJV1-2450
T.I.	TNETE2101	HFJV1-2450

\* Consult factory for Auto-MDIX Applications