

## Integrated Magnetics Reference Guide

- for Modular Jacks with Integrated Magnetic Components -



**GIGABIT: 10/100/1000 Mbit/s**

Vendor	Silicon P/N	ERNI Magnetics Code	Right angled			Vertical			Multitport					
			1x1	1x1 w/ LED L1	1x1 w/ LED L2	1x1	1x1 w/ LED L1	1x1 w/ LED L2	1x2	1x2 w/ LED L1	1x2 w/ LED L2	1x4	1x4 w/ LED L1	1x4 w/ LED L2
AGERE	ET1011	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
AGERE	ET1081	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
AGERE	ET1310	M5C03	tba	tba	203437	tba	tba	tba	tba	tba	tba	tba	tba	tba
AGERE	ET2K	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
AGERE	ET5K	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
BROADCOM	BCM53xx	M5B01	203189	203211; 203348	203212; 203349	203421	203342	203343	203184	203306; 203400	203307	203185	203301	203272
BROADCOM	BCM54xx	M5B01	203189	203211; 203348	203212; 203349	203421	203342	203343	203184	203306; 203400	203307	203185	203301	203272
BROADCOM	BCM57xx	M5B01	203189	203211; 203348	203212; 203349	203421	203342	203343	203184	203306; 203400	203307	203185	203301	203272
INTEL	82540/82541	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
INTEL	82544/82545	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
INTEL	82546/82547	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
INTEL	82571/82572/82573	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
LSI	L80601	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
MARVELL	88E10xx	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
MARVELL	88E11xx	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
MARVELL	88E6165	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
MARVELL	88E6123	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
MARVELL	88E6121/61	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
MARVELL	88E80xx	M5I05	203448	tba	tba	tba	tba	tba	203477	tba	tba	tba	tba	tba
NSC	DP83861	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
NSC	DP83865	M5A01	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
REALTEK	RTL8211	M5B01	203189	203211; 203348	203212; 203349	203421	203342	203343	203184	203306; 203400	203307	203185	203301	203272
REALTEK	RTL8212	M5B01	203189	203211; 203348	203212; 203349	203421	203342	203343	203184	203306; 203400	203307	203185	203301	203272
VITESSE/CICADA	CIS820x	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE/CICADA	CIS821x	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE/CICADA	CIS822x	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE/CICADA	CIS823x	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8201	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8211	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8221	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8224	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8234	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8244	M5E03	tba	tba	203386	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8538	M5G03	203392	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8558	M5G03	203392	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8601	M5G03	203392	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
VITESSE	VSC8641	M5G03	203392	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba

Please contact ERNI if your exact requirement is not listed.

**Notes:**

1. All Gigabit integrated packages shown above have common mode chokes
2. LED L1 = Yellow (left) / Green (right); LED L2 = Green (left) / Yellow (right)
2. tba = to be announced; please contact ERNI for alternatives

## Integrated Magnetics Reference Guide

- for Modular Jacks with Integrated Magnetic Components -



### 100Base-T: 10/100 Mbit/s

Vendor	Silicon P/N	ENRI Magnetics Code	Right angled			Vertical			Multitport					
			1x1	1x1 w/ LED L1	1x1 w/ LED L2	1x1	1x1 w/ LED L1	1x1 w/ LED L2	1x2	1x2 w/ LED L1	1x2 w/ LED L2	1x4	1x4 w/ LED L1	1x4 w/ LED L2
AGERE/ENABLE	EL40C331	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
ALTIMA	AH101/104	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
AMD	79C873	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
AMD	79C874/875	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
BROADCOM	BCM5201/3/5	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
BROADCOM	BCM5208/16	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
BROADCOM	BCM5218/5308	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
BROADCOM	BCM5226/5228	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
CIRRUS LOGIC/CRYSTAL	CS8952	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
DAVICOM	DM9000, DM9102, DM9161	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
DAVICOM	DM9331, DM9601	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
IDT/ICS	ICS1890/1891/1893	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	82559	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	82562	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	LXT970/971/972	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	LXT9761/9762/9763	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	LXT9781/9782	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	LXT9784/9785	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	LXT9860/9863	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
INTEL	LXT9880/9883	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
LSI	L80223/L80225/L80227	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
LUCENT	LU3X31/LU3X51	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
LUCENT	LU3X34FT	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MARVELL	88E3060/3080	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MARVELL	88E3061/3081/3081A	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MARVELL	88E3081/3081A/3082/3083	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MARVELL	88E6021/6023	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MARVELL	88E6061/6065/6085	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MARVELL	88E6050/6051/6052	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MICREL/KENDIN	KS8723	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MICREL/KENDIN	KS8728/8735	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MICREL/KENDIN	KS8737/8995	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
microlINEAR	ML6652/6673	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MITEL	NW914D	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
MITEL	NW937/939/954	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
NSC	DP83223/83843	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
NSC	DP83640	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
NSC	DP83816, DP83848	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
NSC	DP83840A	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
REALTEK	RTL8139	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
REALTEK	RTL8201	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
REALTEK	RTL8208	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
SMSC	LAN8186, LAN8600, LAN9115	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
SMSC	LAN83C180/183	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
SMSC	LAN83C183, LAN91C111	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
SMSC	LAN83C185, LAN 91C113	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
SMSC	LAN9116, LAN9117, LAN9118	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
SMSC	LAN91C111	H3D01	203338	tba	203416	tba	203412	203401	tba	tba	tba	tba	tba	tba
ST MICRO	STE10/100A, STE100P	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
T.I.	TNETE2101	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
TERIDAN/TKD	78Q2120/2121	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
TERIDAN/TKD	78Q2123/2133	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295
WIZnet	W5100	M3D01	133723; 203281	203198; 203354	203199; 203355	203283	203323	203324	203156	203312	203313	203160	203294	203295

Please contact ERNI if your exact requirement is not listed.

**Notes:**

1. LED L1 = Yellow (left) / Green (right); LED L2 = Green (left) / Yellow (right)
2. tba = to be announced; please contact ERNI for alternatives

## Integrated Magnetics Reference Guide

- for Modular Jacks with Integrated Magnetic Components -



### 10Base-T: 10 Mbit/s

Vendor	Silicon P/N	ENRI Magnetics Code	Right angled			Vertical			Multitport					
			1x1	1x1 w/ LED L1	1x1 w/ LED L2	1x1	1x1 w/ LED L1	1x1 w/ LED L2	1x2	1x2 w/ LED L1	1x2 w/ LED L2	1x4	1x4 w/ LED L1	1x4 w/ LED L2
AMD	AM79C984A, 985, 988A, 989	M2A01	203150	tba	tba	tba	tba	tba	203153	tba	tba	203157	tba	tba
CIRRUS LOGIC	CS8900-CQ/IQ, CS8920, CS8904-CM5	M2AC1	203362	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
CIRRUS LOGIC	CS8900-CQ3/IQ3, CS8904-CM3	M2AA1	203194	tba	203335	tba	tba	tba	tba	tba	tba	tba	tba	tba
INTEL	LXT901/1A, 907/7A, LXT914/915	M2AC1	203362	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
INTEL	LXT905, LXT908	M2AE1	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
RealTek	RTL8019, RTL8029	M2B01	203231	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba
SILICON LABS	CP2200/CP2201	M2AA1	203194	tba	203335	tba	tba	tba	tba	tba	tba	tba	tba	tba
SMSC	LAN91C96 (5V)	M2B01	203231	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba	tba

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**Notes:**

1. LED L1 = Yellow (left) / Green (right); LED L2 = Green (left) / Yellow (right)
2. tba = to be announced; please contact ERNI for alternatives