



## **Application Note 8.13**

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**Suggested Magnetics**  
Revision 2.0



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SMSC Part Number	Technology	Through Hole Devices	Integrated RJ45 & Magnetics	Industrial Temperature Applications	Surface Mount Devices	
		NIC, Hub & Switch Applications			NIC, Hub & Switch Applications	CardBus Applications
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THROUGH HOLE APPLICATIONS FOR NICs, HUBS & SWITCHES (+5 VOLT)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN83C180	10/100	TD22-3506G1					
LAN91C96	10BASE-T	FD02-101G FD12-101G FD22-101G	78Z034C 78Z1120B-01 78Z1122B-01 PT3877 PE-65421 FL1012	0556-3873-03 A556-2006-00 A556-2006-03 A556-2006-DE	20F001N		
LAN91C96	10BASE2	TD01-1006K	PE-64103		16PT-006A		EP9531-6X
LAN91C96	10BASE5	TD01-1006K TD01-1006B	PE-64103 PE-64108		16PT-004A		EP9531-6X EP9454

THROUGH HOLE APPLICATIONS FOR NICs, HUBS & SWITCHES (+3.3 VOLT)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN91C111	10/100						
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**SURFACE MOUNT APPLICATIONS FOR NICS, HUBS & SWITCHES (LARGE FOOTPRINT) (+5 Volt)**

SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA	Tamura
LAN83C180	10/100	TG22-3506ND TG22-3506NL	H1012 H1086 H1089 PE-68515 ST6118T	S558-5999-46	20PMT04	000-6241-37R	EPF8001GM EPF8115G	
LAN91C96	10BASE-T	-----	PE-68026 PE-68011 PE-68056	S556-5999-02 S556-5999-DE	20LF43S		EPE6192G	TTC-8128
LAN91C96	10BASE2			A553-1006-AB				
LAN91C96	10BASE5			A553-1006-AB				

**SURFACE MOUNT APPLICATIONS FOR NICS, HUBS & SWITCHES (LARGE FOOTPRINT) (+3.3 Volt)**

SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN9118	10/100			S558-5999-46			
LAN83C185	10/100			S558-5999-46			
LAN91C111	10/100	TG22-3506ND TG22-3506NL	H1012 H1086 H1089 PE-68515 ST6118T	S558-5999-U7	20PMT04	000-6241-37R	EPF8033GM
LAN83C183	10/100	TG22-3506ND TG22-3506NL	H1012 H1086 H1089 PE-68515 ST6118T	S558-5999-U7	20PMT04	000-6241-37R	EPF8033GM
LAN91C96	10BASE-T	-----	PE-68056				

SURFACE MOUNT APPLICATIONS FOR NICs, HUBS & SWITCHES (SMALL FOOTPRINT) (+5 VOLT)								
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA	Tamura
LAN83C180	10/100	TG110-S050N2			PH163112		EPF8143S	TTC-8139
LAN91C96	10BASE-T							
LAN91C96	10BASE2	TG01-1006N	PE-65728 23Z91SM	S553-1006-AE	16PT-006S		EPA1885-6 EPA1885-8	TTC-8121
LAN91C96	10BASE5	TG01-1006N	PE-65728 23Z91SM		16PT-006S		EPA1885-6 EPA1885-8	TTC-8121

SURFACE MOUNT APPLICATIONS FOR NICs, HUBS & SWITCHES (SMALL FOOTPRINT) (+3.3 VOLT)								
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA	Tamura
LAN91C111	10/100	TG110-S050N2 TG110-S055N2	H1102		PH163112		EPF8143S	TTC-8139
LAN83C183	10/100	TG110-S050N2 TG110-S055N2	H1102		PH163112		EPF8143S	TTC-8139
LAN91C96I	10BASE-T	-----						

INTEGRATED RJ45 & MAGNETICS FOR NICs, HUBS & SWITCHES (+5 VOLT)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN83C180	10/100						
LAN91C96	10BASE-T						

INTEGRATED RJ45 & MAGNETICS FOR NICs, HUBS & SWITCHES (+3.3 VOLT)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN91C111	10/100		J1012F01C J1012F21C	0810-1X1T-03 0817-1G1T-21		JFM24111-0101	
LAN83C183	10/100		J1012F01C J1012F21C	0810-1X1T-03 0817-1G1T-21		JFM24111-0101	
LAN91C96I	10BASE-T						

INDUSTRIAL TEMPERATURE MAGNETICS FOR NICs, HUBS & SWITCHES (+5 VOLT)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN91C96I	10BASE-T		EX2001	A556-2006-02			
Industrial Temperature Magnetics operating temperature range from -40° to +85° C							

INDUSTRIAL TEMPERATURE MAGNETICS FOR NICs, HUBS & SWITCHES (+3.3 VOLT)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN91C111I	10/100	TG110-E050N5 TG110-E055N5	HX1198 HX1188				
LAN91C96I	10BASE-T						
Industrial Temperature Magnetics operating temperature range from -40° to +85° C							

SURFACE MOUNT APPLICATIONS FOR PCMCIA (+5 VOLT) (ISA-LIKE)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN83C180	10/100	TG110-S050P1 TG110-S050P2				None offered at this time	EPF8023G
LAN91C96	10BASE-T			S556-9003-11		None offered at this time	
LAN91C96	10BASE2	TG01-1006P				None offered at this time	
LAN91C96	10BASE5	TG01-1006P				None offered at this time	

SURFACE MOUNT APPLICATIONS FOR CARDBUS (+3.3 VOLT) (PCI)							
SMSC Part Number	Tech	Halo	Technitrol	Bel	YCL	Midcom	PCA
LAN83C183	10/100	TG110-S050P1 TG110-S050P2 TG110-S050J2				None offered at this time	

**Notes:**

- Technitrol Companies include Pulse, Valor & Fil-Mag
- Midcom LANDatacom includes NPI (Nano Pulse, Inc.)

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