

Electrical / Environmental

HS91

10/100Base Networking Products



- Meets 350 μ H OCL with 8 mA DC Bias
- Meets the required 1500 Vrms line isolation
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C
- Non-RoHS Peak Solder Rating 235°C

Specifications

BI P/N ¹	RoHS ²	Ports Supported	Configuration ⁶		Turns Ratio ⁷		Style	Packaging (mm)				Hi-Pot Vrms)
			Tx	Rx	Tx	Rx		Pitch	Length	Width	Height	
HS00-04151 ^{4,5}	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	12-pin SMT	79 mil	14.81	14.73	4.88	1500
HS00-99585 ⁴	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	12-pin SMT	79 mil	14.81	15.20	4.88	1500
HS00-04021	LF	1	C, T, C	C, T	1CT:1CT	1CT:1CT	14-pin PCMCIA	100 mil	20.32	17.40	2.49	1500
HS00-98264	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	14-pin PCMCIA	100 mil	20.32	17.40	2.39	1500
HS00-02571	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	11.81	11.43	2.16	1500
HS00-02711	LF	1	T, C	C, T	1CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	11.81	11.43	2.19	1500
HS00-05108	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	11.81	11.43	2.16	1500
HS91-01267	LF	1	T, C	C, T	1CT:1	1CT:1CT	16-pin PCMCIA	50 mil	11.81	11.43	2.16	1500
HS00-98265	3	1	T, C	C, T	1CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	14.22	17.01	2.20	1500
HS00-99112	3	1	T, C	C, T	$\sqrt{2}$ CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	14.22	17.01	2.20	1500
HS00-04078	LF	1	T, C	C, T	1CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	12.70	9.30	1.95	1500
HS00-04148	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	12.70	9.60	2.08	1500
HS91-01180	LF	1	T, C	C, T	1CT:1CT	1CT:1CT	16-pin PCMCIA	50 mil	12.70	9.52	1.98	1500
HS00-00089	LF	1	C, T	C, T	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.65	6.22	1500
HS00-00508	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.65	6.22	1500
HS00-01043	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.65	6.22	1500
HS00-03178	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.35	6.22	1500
HS00-03833	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.26	6.06	1500
HS00-04054	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.35	5.08	1500
HS00-04157	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.53	5.73	1500
HS00-05065	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.65	5.98	1500
HS00-05066	LF	1	C, T	C, T	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.35	6.22	1500
HS00-99142	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.65	5.98	1500
HS00-99557	LF	1	C, T	C, T	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.65	6.22	1500
HS00-99657	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	50 mil	12.70	9.65	5.98	1500
HS00-00100	LF	1	C, T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-00521	LF	1	T, C, S	C, T	1CT: $\sqrt{2}$ CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-00525	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-03020A ⁵	LF	1	C, T	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-05011	LF	1	T, C	T, C	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	5.97	1500
HS00-98241	LF	1	T, C	T, C	2CT:1CT	1:1:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-98242	LF	1	T, C	T, C	$\sqrt{2}$ CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-98243	LF	1	T, C	T, C	1.25CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-98244	LF	1	T, C	T, C	1.25CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-98245	LF	1	T, C, S	T, C	1.25CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-98272	LF	1	C, T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-99160	LF	1	T, C	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-99193	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-99702	LF	1	T, C, S	C, T	1CT: $\sqrt{2}$ CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-99705E	LF	1	C, T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS91-03036 ⁵	LF	1	T, C	T, C	$\sqrt{2}$ CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS91-04072	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	6.05	1500
HS91-97700	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500



Specifications

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			Tx	Rx	Tx	Rx		Pitch	Length	Width	Height	
HS91-97701	LF	1	C, T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS91-98240	LF	1	C, T, C, S	C, T	1CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS91-98704	LF	1	T, C	T, C	√2CT:1CT	1CT:1CT	16-pin SMT	100 mil	25.40	12.70	7.00	1500
HS00-03118 ⁴	LF	2	T, C	T, C	1CT:1CT	1CT:1CT	24-pin SMT	39.4 mil	13.08	14.99	3.68	1500
HS00-02744	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	24-pin SMT	50 mil	17.78	15.24	5.72	1500
HS00-03085	LF	1	T, C, S	C, T	1CT:1CT	1CT:1CT	24-pin SMT	50 mil	17.78	15.24	5.72	1500
HS00-98250	LF	2	C, T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98251	LF	2	T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98252	LF	2	T, C	C, T	1CT:1	1CT:1CT	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98253	LF	2	T, C, S	C, T	1CT:1CT	1CT:1CT	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-00520	LF	4	T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-00888	LF	4	T, C	T, C	1CT:1CT	1CT:1CT	40-pin SMT	50 mil	29.80	16.26	5.97	1500
HS00-01276	LF	4	T, C	T, C	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-05067	LF	4	T, C	T, C	1CT:1CT	1CT:1CT	40-pin SMT	50 mil	27.62	16.00	5.77	1500
HS00-98248	LF	4	T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98249	LF	4	T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98254	LF	4	T, C	C, T	2CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98255	LF	4	T, C	T, C	√2CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98256	LF	4	T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98258	LF	4	T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98259	LF	4	T, C	C, T	1CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-98645	LF	4	T, C	C, T	2CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-99145	LF	4	T, C	C, T	2CT:1CT	1:1	40-pin SMT	50 mil	29.80	16.26	6.95	1500
HS00-03810	LF	4	T, C, S	C, T	1CT:1CT	1CT:1CT	48-pin SMT	40 mil	27.81	15.24	7.24	1500

- Notes:
- (1) For Tape & Reel Packaging, add a "TR" suffix to the end of the Part Number when ordering, e.g. HS00-99657TR or HS00-99657LFTR (for RoHS Compliant)
 - (2) Add a "LF" suffix to the Part Number for RoHS compliant parts, e.g. HS00-00888LF or HS00-00888LFTR (for Tape & Reel)
 - (3) Contact BI Technologies for RoHS compliant part availability.
 - (4) Tube Packaging only.
 - (5) Extreme Operating Temperature Range: -55°C ~ +125°C
 - (6) IC to Cable side: C is Common Mode Choke, S is Shunt Inductor and T is Transformer
 - (7) Turns Ratio is IC to Cable side