

HALO **SMD Quatra™ 4 Port Line Interface Modules**

ELECTRONICS, INC.

HALO Electronics has developed this high density series of Line Interface Modules for real estate sensitive T-1, E-1, PRI ISDN and CEPT applications. Designed to meet the requirements of G.703, UL60950 and EN60950 recognized. Isolation Modules are available for most Line Interface IC manufacturers' products. To select the correct Isolation Module please contact your local HALO Representative or the HALO office nearest you.



SMD Quatra™ 4 Port Line Interface Modules

Electrical Specifications @ 25°C

	Standard Temp. Range	Extended Temp. Range		
ACL:	1.2mH Typ.	1.5mH Typ.		
DCR:	0.7Ω Max.	0.8Ω Max.		
LL:	0.4μF Max.	0.5μF Max.		
Cw/w:	30pF	35pF	Patented Construction	
Crosstalk (0.1- 10 MHz):	-60 dB Typ.	-60 dB Typ.	US Pat Nbrs:	5,656,985 6,297,721 B1
Isolation Voltage:	1,500 Vrms	1,500 Vrms		6,297,720 B1 6,320,489 B1
				6,344,785 B1 6,662,431 B1

Turns Ratio				Primary Pins	
Part Number	TX	RX	Schematic	TX	RX
TG05-1205NXRL	1:2	1:2	B	See Circuit Diagram	
TG28-1205NXRL	1CT:1.36CT	1:1	F	1-3,8-10,11-13,18-20	4-5,6-7,14-15,16-17
TG29-1205NXRL	1:2	1:2CT	A	1-2,9-10,11-12,19-20	38-36,35-33,28-26,25-23
TG39-1205NXRL	1:1.15	1:1.15	B	See Circuit Diagram	
Extended Temperature Range (-40°C to +85°C)					
TGSP-S024NXRL	1:2.4	1:1	C	1-2,8-9,11-12,18-19	3-4,6-7,13-14,16-17
TG23-1505NXRL	1:2.42	1:2.42	B	See Circuit Diagram	
TG27-1505NXRL	1:1.36	1:2CT	E	1-2,6-7,11-12,16-17	38-36,33-31,28-26,23-21
TG29-1505NXRL	1:2	1:2CT	A	1-2,9-10,11-12,19-20	38-36,35-33,28-26,25-23
TG34-1505NXRL	1:1.14/1.35	1:1.14/1.35	G	1-2,6-7,11-12,16-17	37-36,32-31,27-26,22-21
TG36-1505NXRL	1:1.15	1:1	C	1-2,6-7,11-12,16-17	3-4,8-9,13-14,18-19
TG37-1505NXRL	1:1.14	1:1.14	B	See Circuit Diagram	
TG37-5176NXRL	1:1.14CT	1:1.14CT	D	4-5,9-10,14-15,19-20	40-39,35-34,30-29,25-24
TG39-1505NXRL	1:1.15	1:1.15	B	See Circuit Diagram	
TG42-1505NXRL	1:√2	1:√2	C	1-2,6-7,11-12,16-17	38-37,33-32,28-27,23-22
TG49-LVL1NXRL	1:2CT	1CT:2	D	4-5,9-10,14-15,19-20	1-3,6-8,11-13,16-18
TG63-1505NXRL	1:1.15	1:2CT	E	1-2,6-7,11-12,16-17	38-36,33-31,28-26,23-21
TG63-S003NXRL	1:1.15	1:2	C	3-4,8-9,13-14,18-19	1-2,6-7,11-12,16-17
TG64-1505NXRL	1:1/1.26	1:2CT	G	1-2,6-7,11-12,16-17	37-36,32-31,27-26,22-21
TG70-1505NXRL	1:1.36CT	1:1.36CT	D	4-5,9-10,14-15,19-20	40-39,35-34,30-29,25-24
TG73-1505NXRL	1:2.3	1:1	C	3-4,8-9,13-14,18-19	1-2,6-7,11-12,16-17
TG80-1505NXRL	1:2.45CT	1:2.45CT	G	1-2,6-7,11-12,16-17	37-36,32-31,27-26,22-21
TG83-1505NXRL	1:2	1:1	C	1-2,6-7,11-12,16-17	3-4,8-9,13-14,18-19
TG87-S004NXRL	1:2CT	1:1	E	38-36,33-31,28-26,23-21	1-2,6-7,11-12,16-17

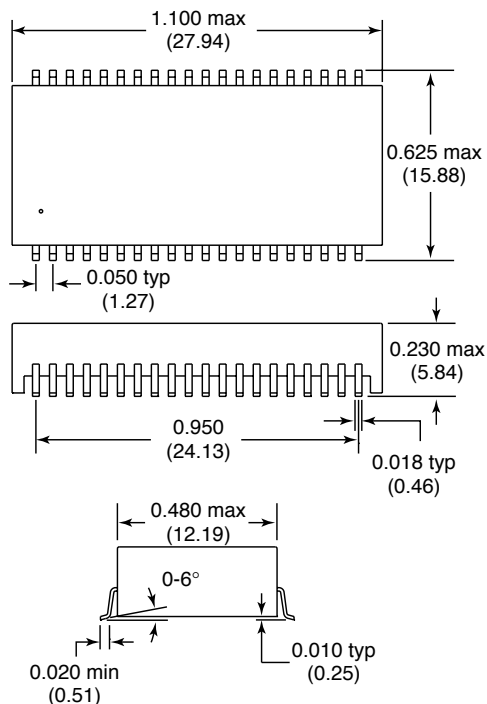
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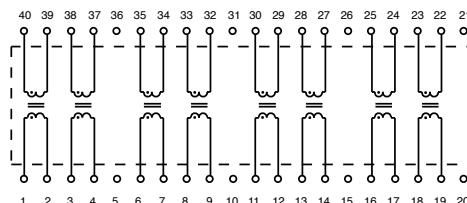
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NX Package

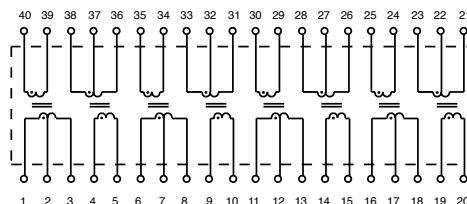


DIMENSIONS : Inch(mm)
CO-PLANARITY : 0.004(0.102)

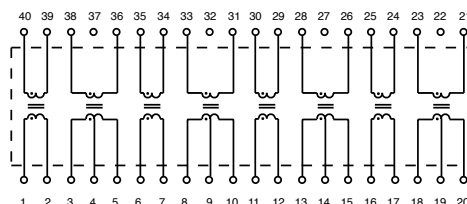
Schematic C



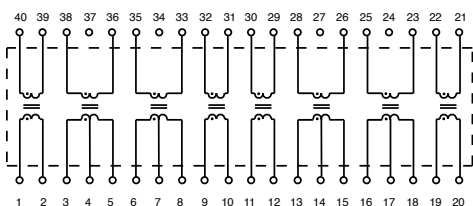
Schematic D



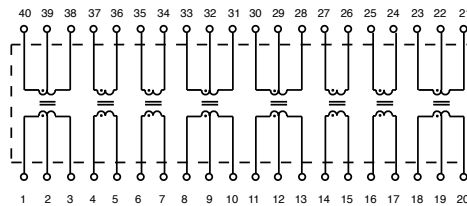
Schematic E



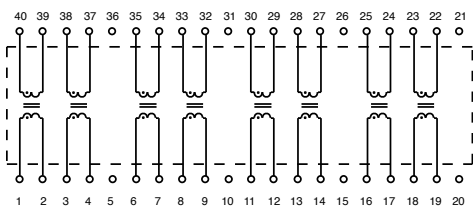
Schematic A



Schematic F



Schematic B



Schematic G

