



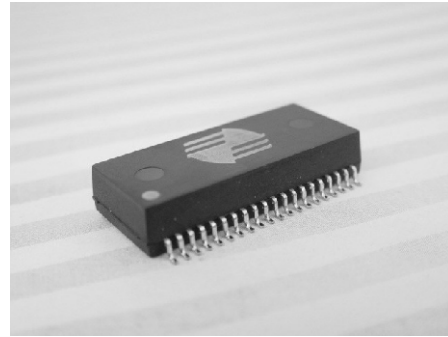




-  Eight Transformers in a single SMT package
-  Models designed for leading quad and dual T1/E1/CEPT/ISDN-Pri transceivers
-  Excellent crosstalk performance
-  RoHS compliant versions are available



ELECTRICAL SPECIFICATION @25°C

Part Number		Turns Ratio (Pri: Sec ±2%)		OCL (mH Min)		LL (uH Max)		Cww (pF Max)		Schematic	Primary Pins	
Std. Temp (0°C to +70°C)	Ext. Temp (-40°C to +85°C)	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx		Tx	Rx
821-M0399	821-M0418	1:1.36	1:1.36CT	1.2		0.6		35		1	1-2, 6-7, 11-12, 16-17	38-36, 33-31, 28-26, 23-21
821-M0400	821-M0419	1:1.14	1:1.14CT	1.2		0.6		35		1	1-2, 6-7, 11-12, 16-17	38-36, 33-31, 28-26, 23-21
821-M0401R	821-M0420	1:2CT	1:2CT	1.2		0.8		35		3	4-5, 9-10, 14-15, 19-20	24-25, 29-30, 34-35, 39-40
821-M0402R	821-M0421	1:2	1:2CT	1.2		0.6		35		4	1-2, 9-10, 11-12, 19-20	23-25, 26-28, 33-35, 36-38
821-M0403	821-M0422	1:1.36CT	1:2CT	1.2		0.6		35		3	24-25, 29-30, 34-35, 39-40	4-5, 9-10, 14-15, 19-20
821-M0404R	821-M0423R	1:2CT	1:1CT	1.2		0.6		35		2	1-2, 6-7, 11-12, 16-17	21-22, 26-27, 31-32, 36-37
821-M0405	821-M0424	1CT:1.41	1CT:1.41	1.2		0.6		35		3	1-3, 6-8, 11-13, 16-18	21-23, 26-28, 31-33, 36-38
821-M0406	821-M0425	1:1.15	1:2CT	1.2		0.6		35		1	1-2, 6-7, 11-12, 16-17	21-23, 26-28, 31-33, 36-38
821-M0407R	821-M0426	1:1/1.26	1:2CT	1.2		0.6		35		2	1-2, 6-7, 11-12, 16-17	21-22, 26-27, 31-32, 36-37
821-M0408	821-M0427R	1:1.15	1:1.15	1.2		0.6		35		5	1-3, 6-8, 11-13, 16-18	4-5, 9-10, 14-15, 19-20
821-M0409R	821-M0428	1:2	1:2	1.2		0.6		35		5	1-3, 6-8, 11-13, 16-18	4-5, 9-10, 14-15, 19-20
821-M0410	----	1:1.08	1.08CT:1	1.2		0.4	0.5	35		1	1-2, 6-7, 11-12, 16-17	38-36, 33-31, 28-26, 23-21
821-M0411R	821-M0429R	1:2CT	1CT:2	1.2		0.6		35		3	4-5, 9-10, 14-15, 19-20	1-3, 6-8, 11-13, 16-18
821-M0412	----	1:1.70	1:1.36CT	1.2		0.8	0.6	35		1	1-2, 6-7, 11-12, 16-17	21-23, 26-28, 31-33, 36-38
821-M0622	----	1:1.36CT	1:1CT	1.2		0.6		35		3	24-25, 29-30, 34-35, 39-40	4-5, 9-10, 14-15, 19-20
821-M0413R	821-M0431	1:2.4	1:1	1.0		0.5		35		6	1-2, 8-9, 11-12, 18-19	24-25, 27-28, 34-35, 37-38
----	821-M0430	1:1.5	1.41:1	1.0		0.5		35		6	1-2, 8-9, 11-12, 18-19	24-25, 27-28, 34-35, 37-38
821-M0414	----	1:2/2.4	1:0.79/1	1.0		1.0		35		7	1-2, 9-10, 11-12, 19-20	37-36, 35-34, 27-26, 25-24
821-M0415R	----	1:2.42	1:2.42	1.2		0.6		35		5	1-3, 6-8, 11-13, 16-18	4-5, 9-10, 14-15, 19-20

Notes: 1. For RoHS version compliant, Please contact EEMPL.

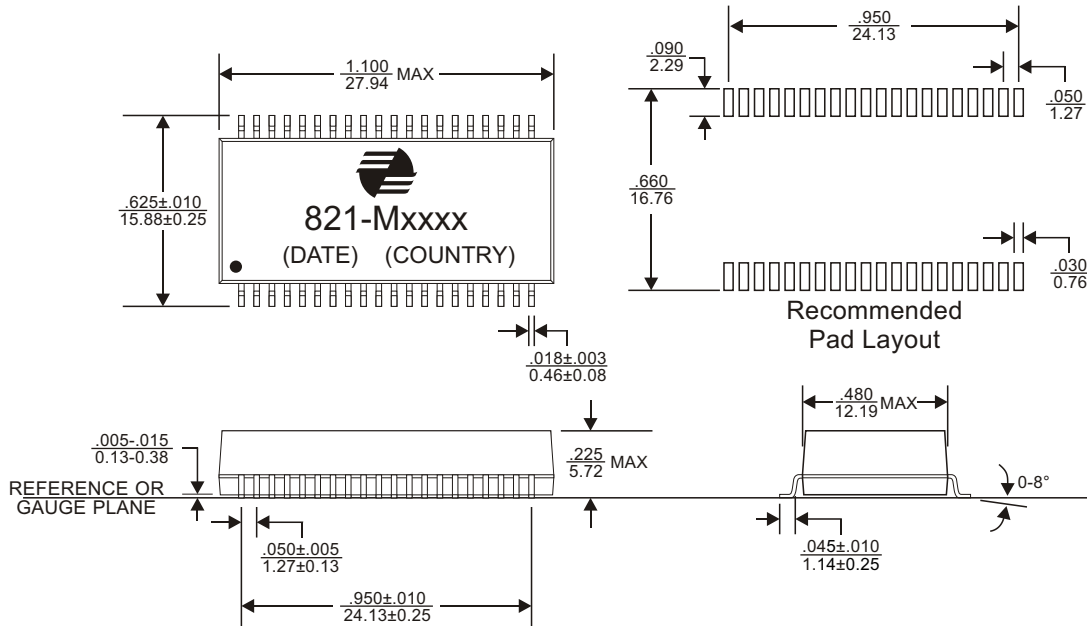


ELECTRICAL SPECIFICATION @25°C

Part Number		Turns Ratio (Pri: Sec ±2%)		OCL (mH Min)		LL (uH Max)		Cww (pF Max)		Schematic	Primary Pins	
Std. Temp (0°C to +70°C)	Ext. Temp (-40°C to +85°C)	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx		Tx	Rx
821-M0416	----	1:2.1CT	1:2.1CT	1.2	0.6	0.6		35		2	1-2, 6-7, 11-12, 16-17	21-22, 26-27, 31-32, 36-37
821-M0417	----	1:2.45CT	1:2.45CT	1.2	0.6	0.6		35		2	1-2, 6-7, 11-12, 16-17	21-22, 26-27, 31-32, 36-37
----	821-M1624	1:2	1:2	1.2		0.7		35		6	1-2, 6-7, 11-12, 16-17	3-4, 8-9, 13-14, 18-19
----	821-M1643	1:2CT	1CT:1	1.2		0.6		35		3	4-5, 9-10, 14-15, 19-20	1-3, 6-8, 11-13, 16-18
----	821-M1014	1:1.36	1:1	1.2		0.6		40		5	1-3, 6-8, 11-13, 16-18	4-5, 9-10, 14-15, 19-20
----	821-M1015	1:1CT	1:1CT	1.2		0.6		35		3	4-5, 9-10, 14-15, 19-20	24-25, 29-30, 34-35, 39-40
----	821-M1016	1:1.26CT	1:1.26CT	1.2		0.6		35		3	4-5, 9-10, 14-15, 19-20	24-25, 29-30, 34-35, 39-40
----	821-M1644	1:1	1:1	1.2		0.7		35		5	1-3, 6-8, 11-13, 16-18	4-5, 9-10, 14-15, 19-20

MECHANICAL DIMENSIONS

Package: SO040A



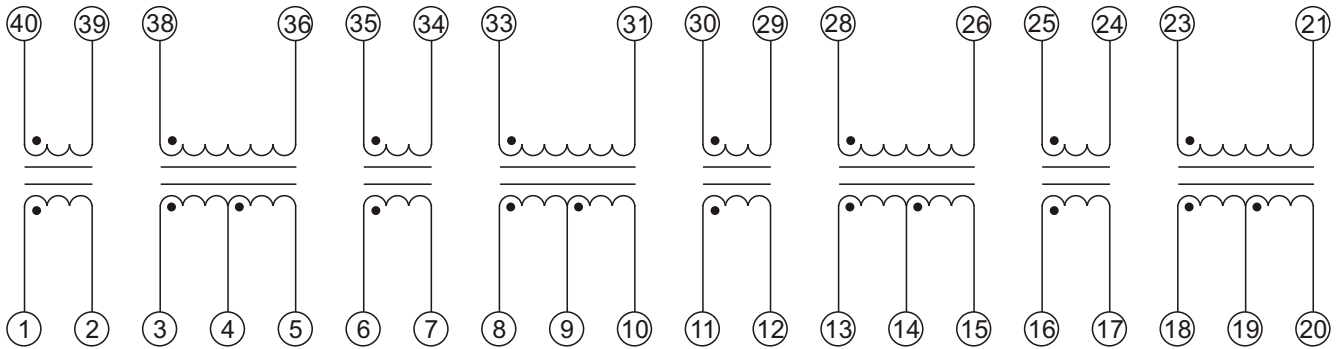
Notes: All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.

Weight (in gram)	: 4.0 typ.
Tape & Reel	: 350 / reel

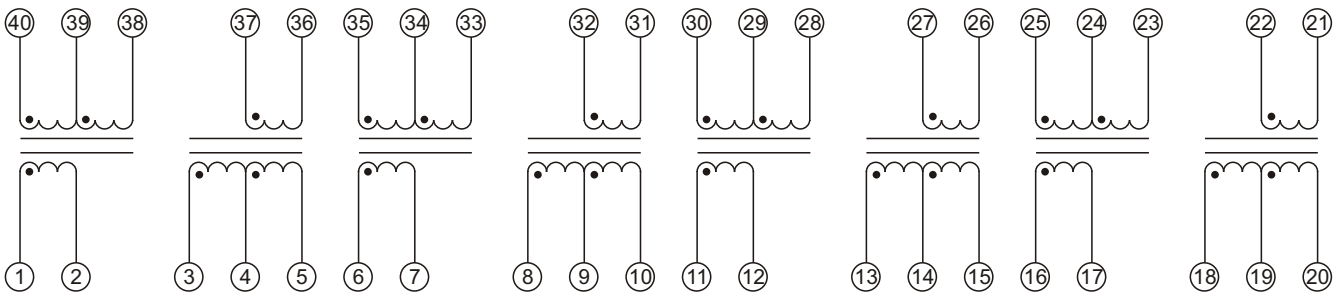


SCHEMATICS

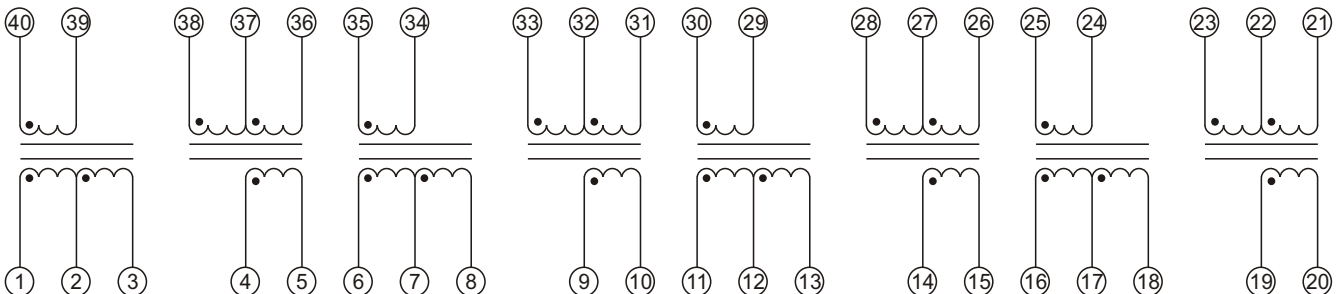
Schematic 1



Schematic 2



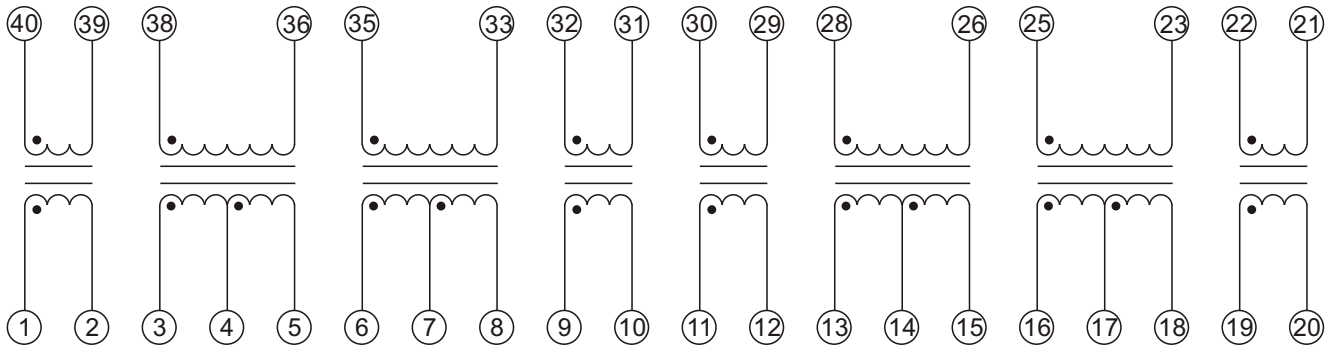
Schematic 3



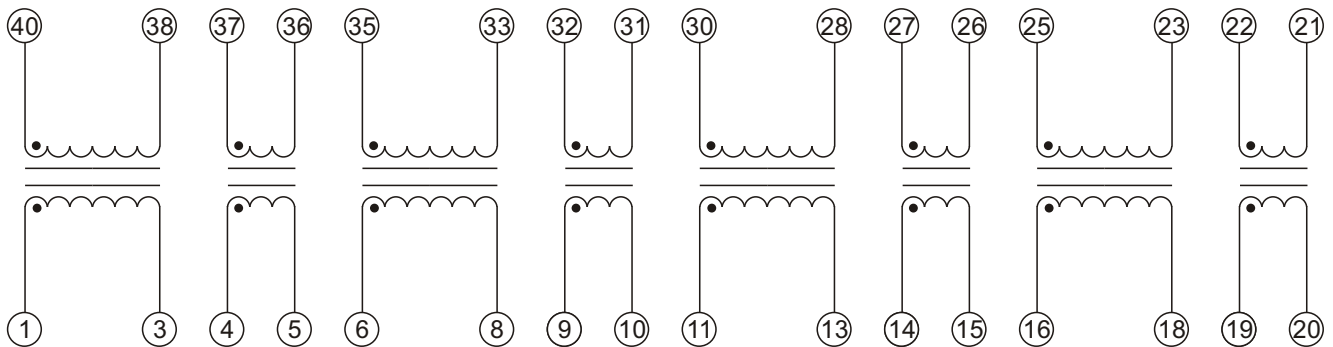


SCHEMATICS

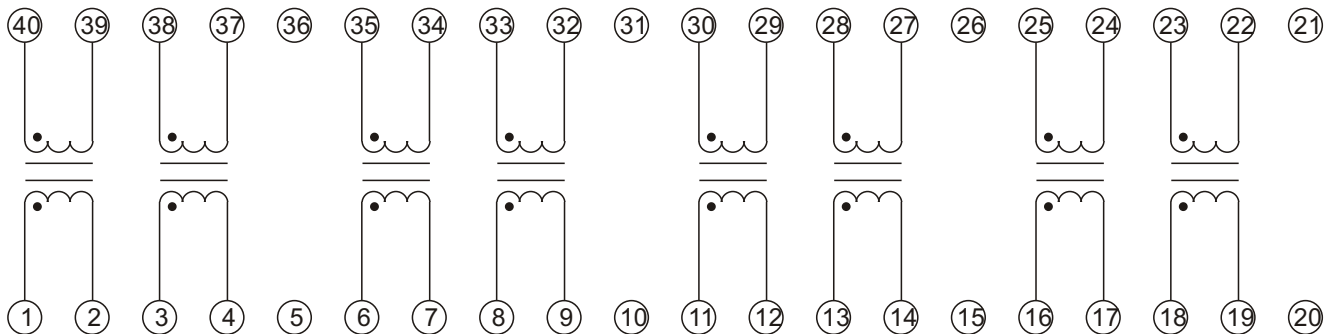
Schematic 4



Schematic 5



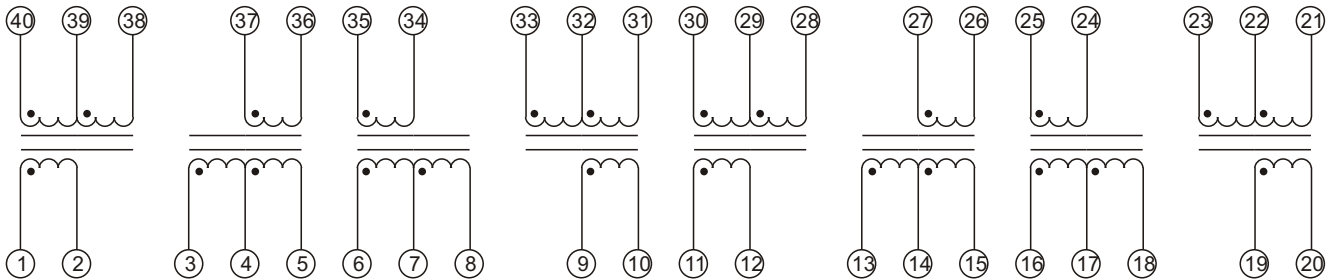
Schematic 6





SCHEMATICS

Schematic 7



FOR MORE INFORMATION, PLEASE CONTACT

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