



## Integrated 10/100 Base-T RJ45 Through Hole MIC25 Series

**Midcom**

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### Features

- Optional pin-outs and LEDs
- Industry standard footprint
- Optimum performance
- Cost effective
- RoHS compliant

### Electrical Characteristics

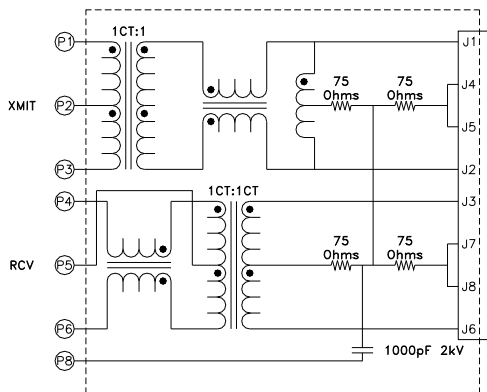
Inductance	350uH Min.	0.1Vrms, 100kHz, 8mADC
Dielectric Rating	1500VAC	for 1 minute
Turns Ratio	1CT:1CT	±2%
Insertion Loss	-1.0dB max.	1MHz-100MHz
Return Loss	-18dB min.	1MHz-30MHz
	-16dB min.	30MHz-45MHz
	-14dB min.	45MHz-60MHz
	-12dB min.	60MHz-80MHz
Cross Talk	-33dB min.	1MHz-100MHz
Common Mode Rejection	-35dB min.	1MHz-100MHz

Part Number	LED (left-right)	Tab Direction	EMI Tabs	Operating	Schematic	Mechanical
				Temp. Range		
MIC25010-5110	None	Down	Yes	0°C to +70°C	2	1
MIC25010-5101	None	Down	Yes	0°C to +70°C	4	1
MIC25011-5110	Yellow-Green	Down	Yes	0°C to +70°C	2	1
MIC25013-5110	Green-Yellow	Down	Yes	0°C to +70°C	2	1
MIC25013-5223	Green-Yellow	Down	Yes	0°C to +70°C	5	5
7499011219	Green-Yellow	Down	Yes	0°C to +70°C	7	5
74990112112	Green-Yellow	Down	Yes	-40°C to +85°C	5	5
MIC2501A-5110	Green-Green/Yellow	Down	Yes	0°C to +70°C	2	1
MIC25113-0141	Green-Yellow	Up	Yes	0°C to +70°C	3	2
MIC2511C-6131	Green/Orange-Yellow	Up	Yes	0°C to +70°C	6	8
MIC2511A-0141	Green-Green/Yellow	Up	Yes	0°C to +70°C	3	2
MIC25113-6131	Green-Yellow	Up	Yes	0°C to +70°C	8	8
MIC25111-0110	Yellow-Green	Up	Yes	0°C to +70°C	2	2
MIC25210-0101	None	Down	No	0°C to +70°C	1	3
MIC25211-5112	Yellow-Green	Down	No	-40°C to +85°C	2	3
MIC25212-0110	Green-Green	Down	No	0°C to +70°C	2	3
MIC25213-5210	Green-Yellow	Down	No	0°C to +70°C	2	6
MIC25310-5110	None	Up	No	0°C to +70°C	2	7
MIC25311-0110	Yellow-Green	Up	No	0°C to +70°C	2	4
7499010218	Green-Yellow	Up	No	0°C to +70°C	2	4

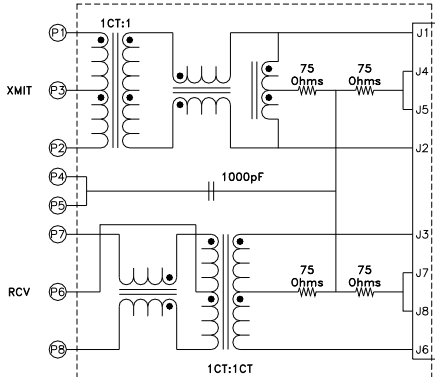
**Integrated 10/100 Base-T RJ45  
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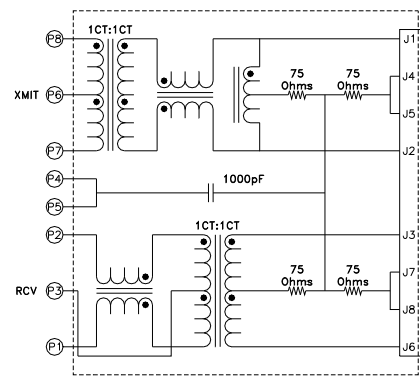
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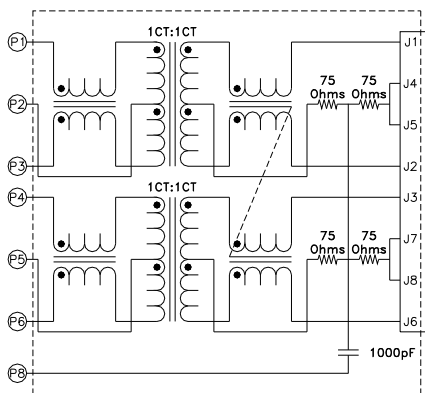
**Schematic 1**



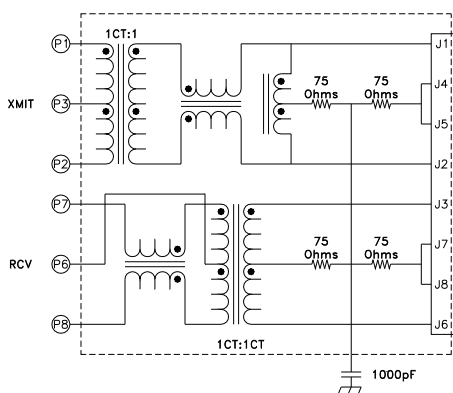
**Schematic 2**



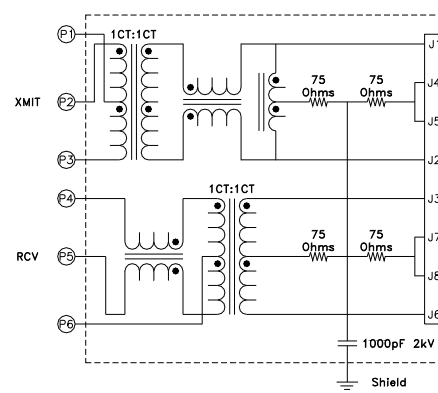
**Schematic 3**



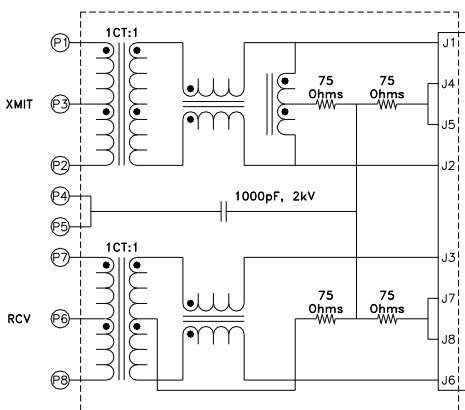
**Schematic 4**



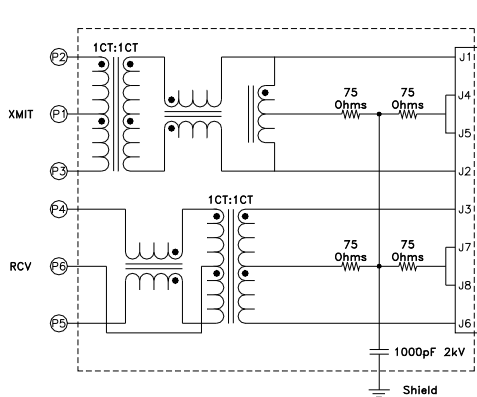
**Schematic 5**



**Schematic 6**



**Schematic 7**



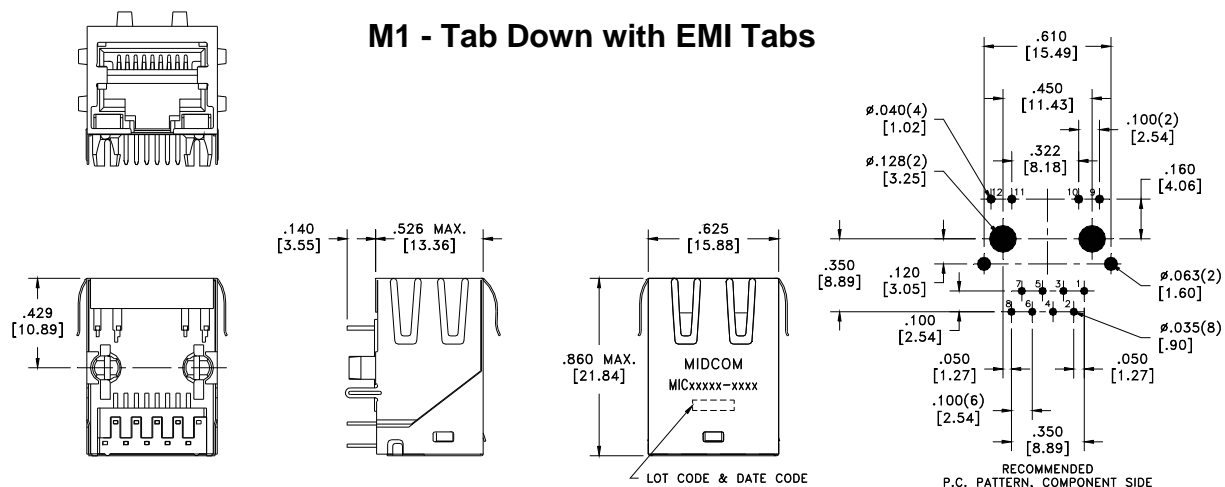
**Schematic 8**



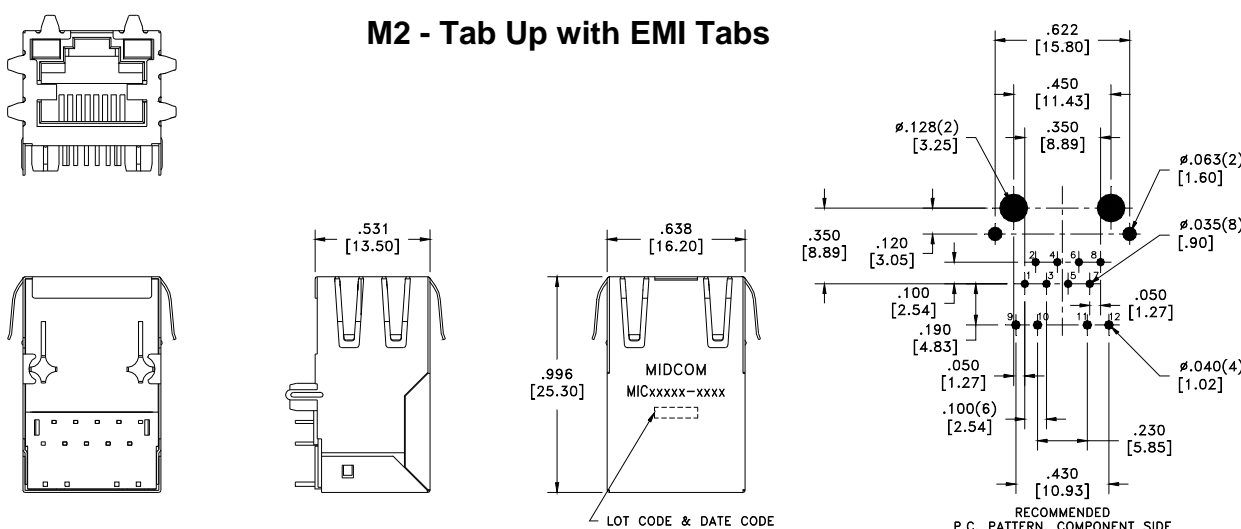
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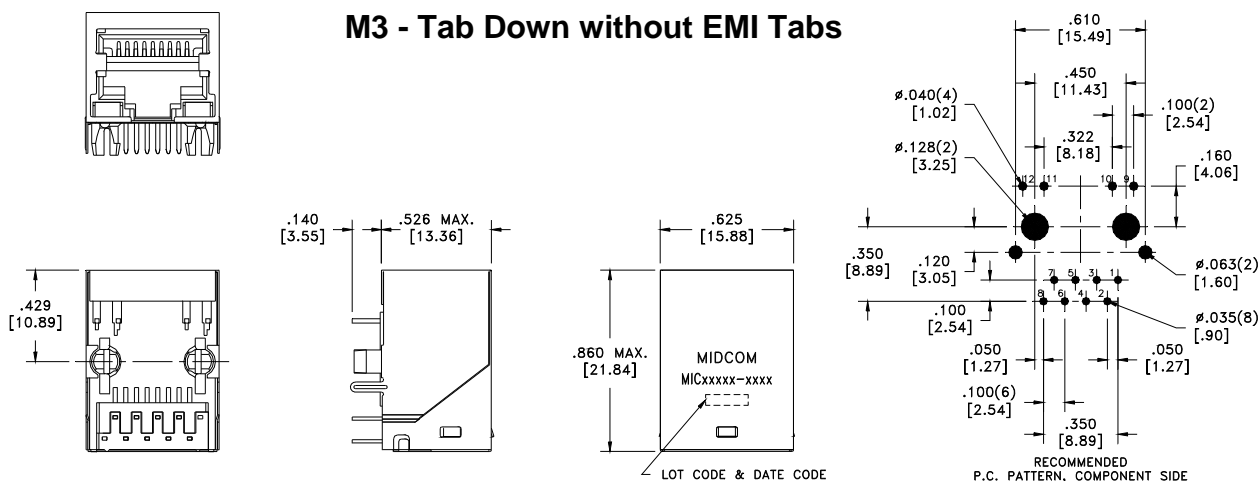
## M1 - Tab Down with EMI Tabs



## M2 - Tab Up with EMI Tabs



## M3 - Tab Down without EMI Tabs



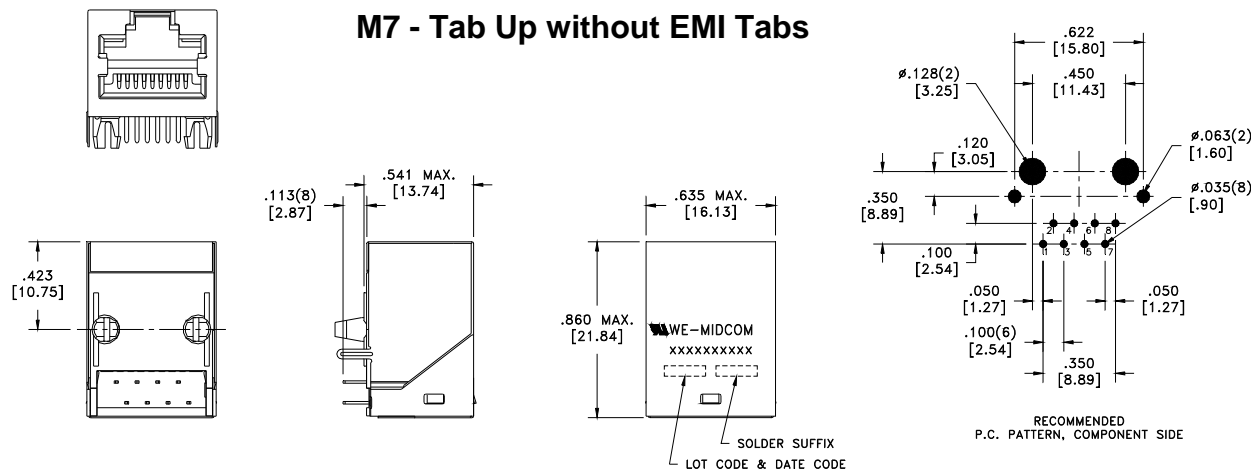




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**M7 - Tab Up without EMI Tabs**



**M8 - Tab Up with EMI Tabs**

