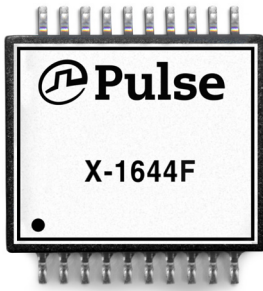
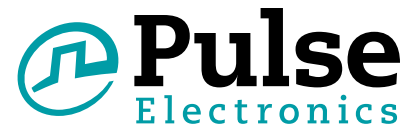


# 10/100 BASE – TX SINGLE PORT TRANSFORMER MODULES

Military/Aerospace Grade



- 10K VAC for 60 second
- 350uH OCL with 8mA DC
- Operating Temperature:** -40°C to +85°C
- Storage Temperature:** -55°C to +125°C
- Pure tin finish
- Withstands 245°C Max Reflow Temperature
- MSL:** 3
- Pure Tin
- RoHS6

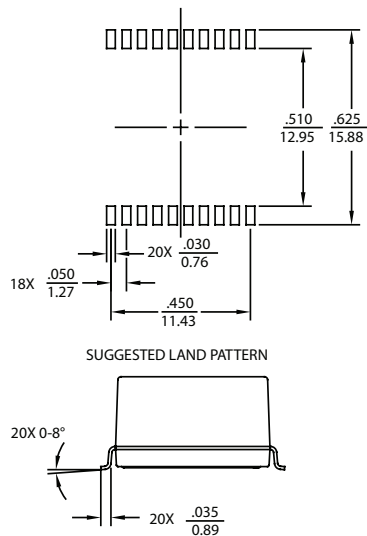
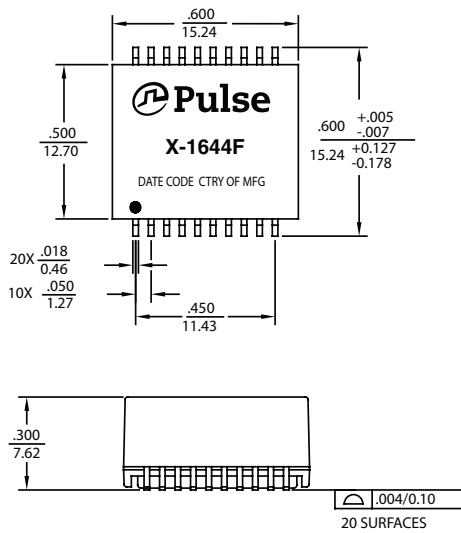
## Electrical Specifications 25°C — Operating Temperature -40°C to +130°C

Part Number	Insertion Loss (dB MAX)				Return Loss (dB MIN)						Crosstalk (dB MIN)				Differential to Common Mode Rejection (dB MIN)			
	0.1-30MHz	60MHz	80MHz	100MHz	5MHz	30MHz	50MHz	60MHz	80MHz	100MHz	1MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	200MHz
X-1644F	-1	-2	-2.5	-3.5	-18	-9	-6	-5	-3	-2	-45	-30	-27	-25	-36	-32	-30	-25

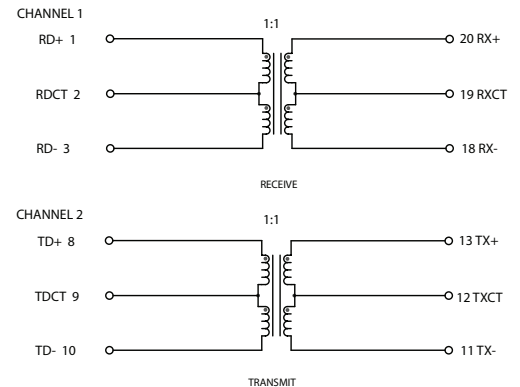
Notes: 1. Add suffix NL for RoHS compliant part; i.e. X-1644FNL 2. For Tape&Reel Packaging, add "T" suffix at the end of the part number; i.e. X-1644FT

## Mechanical

### X-1644F



## Schematic



Weight .....2.6 grams  
 Tube .....20/tube  
 Tape & Reel .....300/reel

Dimensions: Inches / mm  
 Unless otherwise specified, all tolerances are ± .010 / 0.25

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