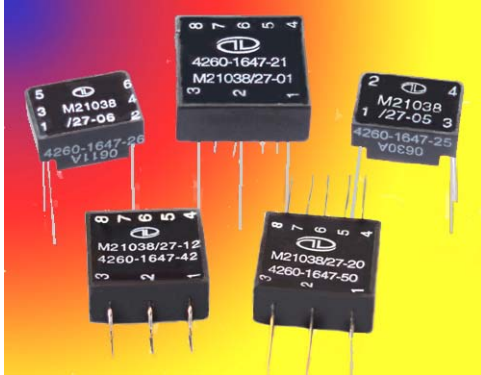




ROMOLAND, INC.

## 4260-1647 SERIES

### MIL-STD-1553 DATA BUS INTERFACE TRANSFORMER



#### Features

- Qualified on DSCC QPL MIL-T-21038/27 Level C, M & T
- Datatronics P/N on Level C, M & T Parts (see notes)
- MIL-STD-1553 A/B and MAC Air Specifications A3818, A5690, A5232 and A4905
- Compliance to MIL-STD 981, Class S Available
- Compliance to Panavia 6465 Available
- Operating Temperature: -55°C to +130°C
- Custom Packages Incorporating Fault Isolation Resistors Coupler Module Available

Datatronics P/N	DSCC P/N	Turns Ratio (±3%)	Primary	Secondary	% Max Droop	CMR (Min)	DC Resistance Ohms (Max)		Impedance Ohms (min)	Config
4260 – 1647 -21	M21038/27-01	1:1 1:707	1-3	4-8	20%	45dB	1-3	3.0	(1-3) 4,000	A
			1-3	5-7			4-8	3.0		
4260 – 1647 -22	M21038/27-02	1.4:1 2:1	1-3	4-8	20%	45dB	1-3	3.5	(1-3) 7,200	A
			1-3	5-7			4-8	3.0		
4260 – 1647 -23	M21038/27-03	1.25:1 1.66:1	1-3	4-8	20%	45dB	1-3	3.2	(1-3) 4,000	A
			1-3	5-7			4-8	3.0		
4260 – 1647 -24	M21038/27-04	2.3:1 3.2:1	4-8	1-3	20%	45dB	1-3	1.2	(5-7) 3,000	A
			5-7	1-3			4-8	3.0		
4260 – 1647 -25	M21038/27-05	1:1.41	1-2	3-4	20%	45dB	1-2	2.2	(3-4) 3,000	C
							3-4	2.7		
4260 – 1647 -26	M21038/27-06	1:1	1-5	2-6	20%	45dB	1-5	2.5	(1-5) 3,000	B
							2-6	2.8		
4260 – 1647 -27	M21038/27-07	1:1.41	1-5	2-6	20%	45dB	1-5	2.2	(2-6) 3,000	B
							2-6	2.7		
4260 – 1647 -28	M21038/27-08	1:1.66	1-5	2-6	20%	45dB	1-5	1.5	(2-6) 3,000	B
							2-6	2.4		
4260 – 1647 -29	M21038/27-09	1:2	1-5	2-6	20%	45dB	1-5	1.3	(2-6) 3,000	B
							2-6	2.6		
4260 – 1647 -40	M21038/27-10	1:2.12 1:1.5	1-3	4-8	20%	45dB	1-3	1.0	(4-8) 4,000	A
			1-3	5-7			4-8	3.5		

#### Notes:

1. MIL-T-21038/27 Level C: Datatronics P/N 4259-1647 Series
2. MIL-T-21038/27 Level M: Datatronics P/N 4260-1647 Series
3. MIL-T-21038/27 Level T: Datatronics P/N 4261-1647 Series



ROMOLAND, INC.

## 4260-1647 SERIES

### MIL-STD-1553 DATA BUS INTERFACE TRANSFORMER



#### Features

- Qualified on DSCC QPL MIL-T-21038/27 Level C, M & T
- Datatronics P/N on Level C, M & T Parts (see notes)
- MIL-STD-1553 A/B and MAC Air Specifications A3818, A5690, A5232 and A4905
- Compliance to MIL-STD 981, Class S Available
- Compliance to Panavia 6465 Available
- Operating Temperature: -55°C to +130°C
- Custom Packages Incorporating Fault Isolation Resistors Coupler Module Available

Datatronics P/N	DSCC P/N	Turns Ratio (±3%)	Primary	Secondary	% Max Droop	CMR (Min)	DC Resistance Ohms (Max)		Impedance Ohms (min)	Config
							1-3	3.0		
4260 – 1647 -41	M21038/27-11	1:1 1:707	1-3	4-8	20%	45dB	1-3	3.0	(1-3) 4,000	D
			1-3	5-7			4-8	3.0		
4260 – 1647 -42	M21038/27-12	1.4:1 2:1	1-3	4-8	20%	45dB	1-3	3.5	(1-3) 7,200	D
			1-3	5-7			4-8	3.0		
4260 – 1647 -43	M21038/27-13	1.25:1 1.66:1	1-3	4-8	20%	45dB	1-3	3.2	(1-3) 4,000	D
			1-3	5-7			4-8	3.0		
4260 – 1647 -44	M21038/27-14	2.3:1 3.2:1	4-8	1-3	20%	45dB	1-3	1.2	(5-7) 3,000	D
			5-7	1-3			4-8	3.0		
4260 – 1647 -45	M21038/27-15	1:2.12 1:1.5	1-3	4-8	20%	45dB	1-2	1.0	(4-8) 4,000	D
			1-3	5-7			3-4	3.5		
4260 – 1647 -46	M21038/27-16	1:1 1:707	1-3	4-8	20%	45dB	1-3	3.0	(1-3) 4,000	E
			1-3	5-7			4-8	3.0		
4260 – 1647 -47	M21038/27-17	1.4:1 2:1	1-3	4-8	20%	45dB	1-3	3.5	(1-3) 7,200	E
			1-3	5-7			4-8	3.0		
4260 – 1647 -48	M21038/27-18	1.25:1 1.66:1	1-3	4-8	20%	45dB	1-3	3.2	(1-3) 4,000	E
			1-3	5-7			4-8	3.0		
4260 – 1647 -49	M21038/27-19	2.3:1 3.2:1	4-8	1-3	20%	45dB	1-3	1.2	(5-7) 3,000	E
			5-7	1-3			4-8	3.0		
4260 – 1647 -50	M21038/27-20	1:2.12 1:1.5	1-3	4-8	20%	45dB	1-3	1.0	(4-8) 3,000	E
			1-3	5-7			4-8	3.5		

#### Notes:

1. MIL-T-21038/27 Level C: Datatronics P/N 4259-1647 Series
2. MIL-T-21038/27 Level M: Datatronics P/N 4260-1647 Series
3. MIL-T-21038/27 Level T: Datatronics P/N 4261-1647 Series



ROMOLAND, INC.

## 4260-1647 SERIES

### MIL-STD-1553 DATA BUS INTERFACE TRANSFORMER



#### Features

- Qualified on DSCC QPL MIL-T-21038/27 Level C, M & T
- Datatronics P/N on Level C, M & T Parts (see notes)
- MIL-STD-1553 A/B and MAC Air Specifications A3818, A5690, A5232 and A4905
- Compliance to MIL-STD 981, Class S Available
- Compliance to Panavia 6465 Available
- Operating Temperature: -55°C to +130°C
- Custom Packages Incorporating Fault Isolation Resistors Coupler Module Available

Datatronics P/N	DSCC P/N	Turns Ratio (±3%)	Primary	Secondary	% Max Droop	CMR (Min)	DC Resistance Ohms (Max)		Impedance Ohms (min)	Config
4260 – 1647 -52	M21038/27-21	1:1 1:707	1-3	4-8	20%	45dB	1-3	3.0	(1-3) 4,000	F
			1-3	5-7			4-8	3.0		
4260 – 1647 -53	M21038/27-22	1.4:1 2:1	1-3	4-8	20%	45dB	1-3	3.5	(1-3) 7,200	F
			1-3	5-7			4-8	3.0		
4260 – 1647 -54	M21038/27-23	1.25:1 1.66:1	1-3	4-8	20%	45dB	1-3	3.2	(1-3) 4,000	F
			1-3	5-7			4-8	3.0		
4260 – 1647 -55	M21038/27-24	1:2.12 1:1.5	1-3	4-8	20%	45dB	1-3	1.0	(4-8) 4,000	F
			1-3	5-7			4-8	3.5		
4260 – 1647 -56	M21038/27-25	1:2.5 1:1.79	1-3	4-8	20%	45dB	1-3	1.0	(4-8) 4,000	F
			1-3	5-7			4-8	3.5		
4260 – 1647 -57	M21038/27-26	1:2.5 1:1.79	1-3	4-8	20%	45dB	1-3	1.0	(4-8) 4,000	A
			1-3	5-7			4-8	3.5		
4260 – 1647 -58	M21038/27-27	1:2.5 1:1.79	1-3	4-8	20%	45dB	1-3	1.0	(4-8) 4,000	D
			1-3	5-7			4-8	3.5		
4260 – 1647 -59	M21038/27-28	1:1.5	1-5	2-6	20%	45dB	1-5	0.9	(2-6) 3,000	B
			1-5	2-6			2-6	2.5		
4260 – 1647 -60	M21038/27-29	1:1.79	1-5	2-6	20%	45dB	1-5	0.9	(2-6) 3,000	B
			1-5	2-6			2-6	2.5		
4260 – 1647 -61	M21038/27-30	1:2.5	1-5	2-6	20%	45dB	1-5	1.0	(2-6) 3,000	B
			1-5	2-6			2-6	2.8		

#### Notes:

1. MIL-T-21038/27 Level C: Datatronics P/N 4259-1647 Series
2. MIL-T-21038/27 Level M: Datatronics P/N 4260-1647 Series
3. MIL-T-21038/27 Level T: Datatronics P/N 4261-1647 Series



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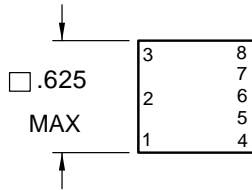
# 4260-1647 SERIES

## MIL-STD-1553 DATA BUS INTERFACE TRANSFORMER

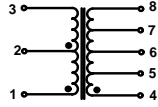
**NOTES:**

1. Dimensions are in inches.
2. Tolerances .XXX ±.010
3. Drawing is not to scale

### CONFIG A

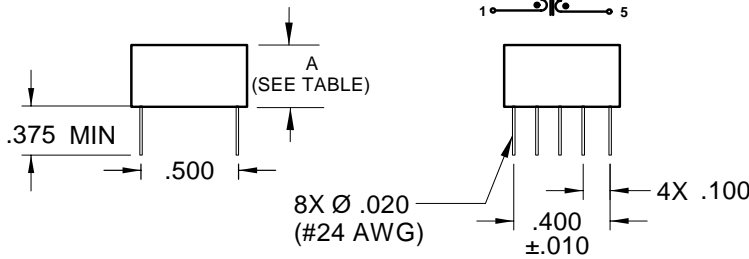
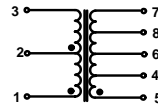


SCHEMATIC FOR 4260-1647  
-21 THRU -23, -40 AND -57

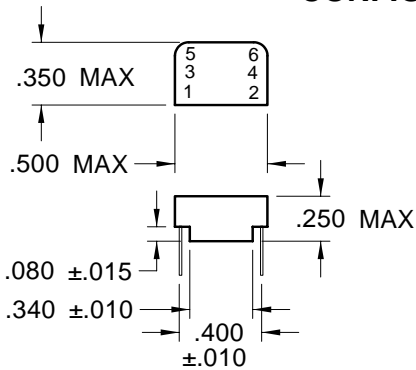


4260-1647 -XX	A MAX
-21, -24	.300
-22, -23 -40, -57	.250

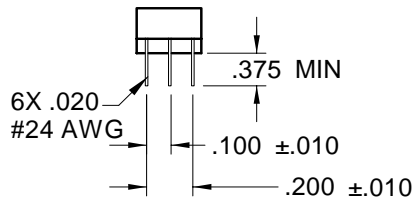
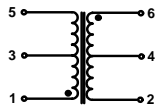
SCHEMATIC FOR  
4260-1647-24



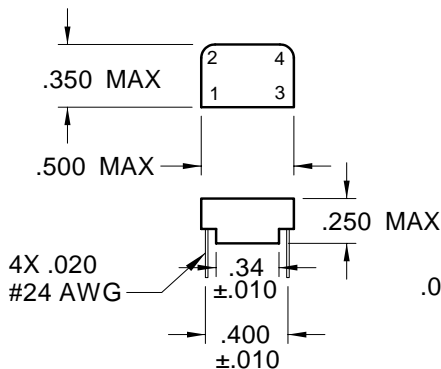
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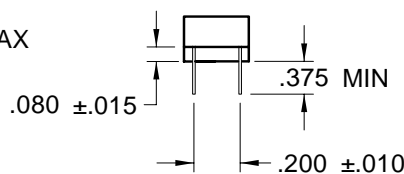
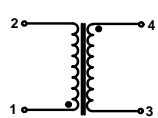
SCHEMATIC FOR 4260-1647  
-26 THRU -29, -59, -60, -61



### CONFIG C



SCHEMATIC FOR  
4260-1647-25

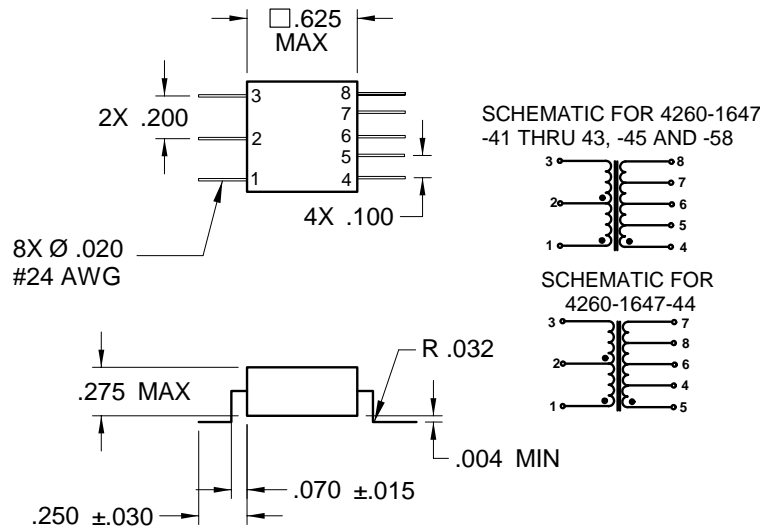




ROMOLAND, INC.

# 4260-1647 SERIES

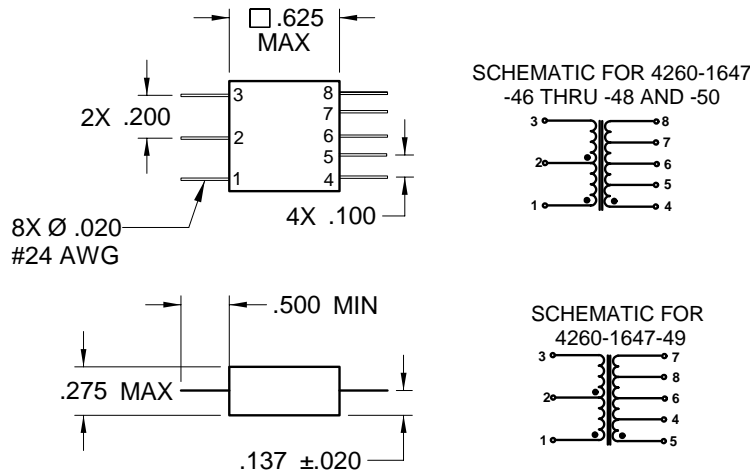
## MIL-STD-1553 DATA BUS INTERFACE TRANSFORMER CONFIG D



NOTES:

1. Dimensions are in inches.
2. Tolerances .XXX  $\pm .010$
3. Drawing is not to scale

## CONFIG E



## CONFIG F

