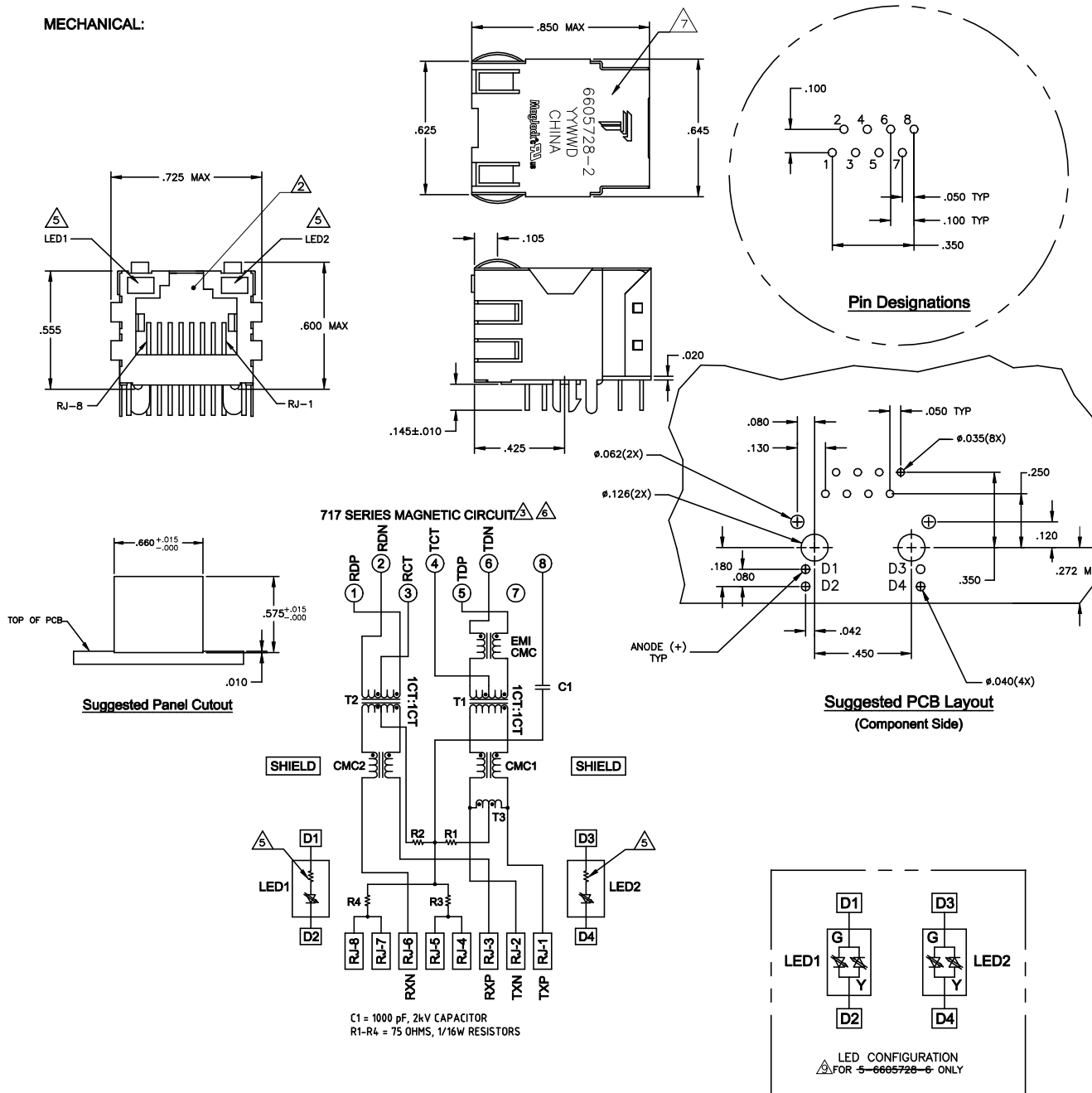


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
REV	DESCRIPTION	DATE	BY	APP
1	EC-1411035 COMPANY LOGO CHANGE	30DEC2014	ST	TL

MECHANICAL:



- MATERIALS:
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

△ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.

- MAGNETICS
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP/CABLE): TX = 1:1, RX = 1:1
-OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100KHz, 0.1VRMS, 8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
-PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
12dB MIN FROM 60.1MHz TO 80MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC. FOR 5-6605728-1,5-6605728-2,5-6605728-6,5-6605728-8,5-6605728-9, 6-6605728-1,6-6605728-2, 1500VAC (MAX) AT 60Hz FOR 60 SECS. FOR 6605728-2,6605728-9,1-6605728-1

4. OPERATING TEMPERATURE: FROM 0°C TO +70°C

- △ THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA LED COLOR:
DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
IF THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA LED COLOR:
DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V
FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V
FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V

△ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL AND DO NOT SUPPORT AUTO-MDI/MDIX.

△ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

△ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

OBsolete	NO	YES	GREEN	ORANGE	6-6605728-2
9	YES	YES	GREEN	GREEN	6-6605728-1
	NO	YES	YELLOW	GREEN	5-6605728-9
OBsolete	NO	YES	GREEN	YELLOW	5-6605728-8
△ OBsolete	NO	YES	GREEN/YELLOW	GREEN/YELLOW	5-6605728-6
	YES	YES	YELLOW	GREEN	5-6605728-2
	YES	YES	GREEN	YELLOW	5-6605728-1
△ OBsolete	YES	NO	GREEN	GREEN	4-6605728-1
	YES	NO	YELLOW	GREEN	6605728-9
	YES	NO	GREEN	YELLOW	6605728-2
LED RESISTORS		2KΩ DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. THE ATTACHED DOCKETS				
DIMENSIONS	INCHES	MILLIMETERS	DATE	REVISION
1	0.001	0.025	11/10/10	1
2	0.002	0.050	11/10/10	2
3	0.005	0.125	11/10/10	3
4	0.010	0.250	11/10/10	4
5	0.020	0.500	11/10/10	5
6	0.050	1.250	11/10/10	6
7	0.100	2.500	11/10/10	7
8	0.200	5.000	11/10/10	8
9	0.500	12.500	11/10/10	9
10	1.000	25.000	11/10/10	10
11	2.000	50.000	11/10/10	11
12	5.000	125.000	11/10/10	12
13	10.000	250.000	11/10/10	13
14	20.000	500.000	11/10/10	14
15	50.000	1250.000	11/10/10	15
16	100.000	2500.000	11/10/10	16
17	200.000	5000.000	11/10/10	17
18	500.000	12500.000	11/10/10	18
19	1000.000	25000.000	11/10/10	19
20	2000.000	50000.000	11/10/10	20
21	5000.000	125000.000	11/10/10	21
22	10000.000	250000.000	11/10/10	22
23	20000.000	500000.000	11/10/10	23
24	50000.000	1250000.000	11/10/10	24
25	100000.000	2500000.000	11/10/10	25
26	200000.000	5000000.000	11/10/10	26
27	500000.000	12500000.000	11/10/10	27
28	1000000.000	25000000.000	11/10/10	28
29	2000000.000	50000000.000	11/10/10	29
30	5000000.000	125000000.000	11/10/10	30
31	10000000.000	250000000.000	11/10/10	31
32	20000000.000	500000000.000	11/10/10	32
33	50000000.000	1250000000.000	11/10/10	33
34	100000000.000	2500000000.000	11/10/10	34
35	200000000.000	5000000000.000	11/10/10	35
36	500000000.000	12500000000.000	11/10/10	36
37	1000000000.000	25000000000.000	11/10/10	37
38	2000000000.000	50000000000.000	11/10/10	38
39	5000000000.000	125000000000.000	11/10/10	39
40	10000000000.000	250000000000.000	11/10/10	40
41	20000000000.000	500000000000.000	11/10/10	41
42	50000000000.000	1250000000000.000	11/10/10	42
43	100000000000.000	2500000000000.000	11/10/10	43
44	200000000000.000	5000000000000.000	11/10/10	44
45	500000000000.000	12500000000000.000	11/10/10	45
46	1000000000000.000	25000000000000.000	11/10/10	46
47	2000000000000.000	50000000000000.000	11/10/10	47
48	5000000000000.000	125000000000000.000	11/10/10	48
49	10000000000000.000	250000000000000.000	11/10/10	49
50	20000000000000.000	500000000000000.000	11/10/10	50
51	50000000000000.000	1250000000000000.000	11/10/10	51
52	100000000000000.000	2500000000000000.000	11/10/10	52
53	200000000000000.000	5000000000000000.000	11/10/10	53
54	500000000000000.000	12500000000000000.000	11/10/10	54
55	1000000000000000.000	25000000000000000.000	11/10/10	55
56	2000000000000000.000	50000000000000000.000	11/10/10	56
57	5000000000000000.000	125000000000000000.000	11/10/10	57
58	10000000000000000.000	250000000000000000.000	11/10/10	58
59	20000000000000000.000	500000000000000000.000	11/10/10	59
60	50000000000000000.000	1250000000000000000.000	11/10/10	60
61	100000000000000000.000	2500000000000000000.000	11/10/10	61
62	200000000000000000.000	5000000000000000000.000	11/10/10	62
63	500000000000000000.000	12500000000000000000.000	11/10/10	63
64	1000000000000000000.000	25000000000000000000.000	11/10/10	64
65	2000000000000000000.000	50000000000000000000.000	11/10/10	65
66	5000000000000000000.000	125000000000000000000.000	11/10/10	66
67	10000000000000000000.000	250000000000000000000.000	11/10/10	67
68	20000000000000000000.000	500000000000000000000.000	11/10/10	68
69	50000000000000000000.000	1250000000000000000000.000	11/10/10	69
70	100000000000000000000.000	2500000000000000000000.000	11/10/10	70
71	200000000000000000000.000	5000000000000000000000.000	11/10/10	71
72	500000000000000000000.000	12500000000000000000000.000	11/10/10	72
73	1000000000000000000000.000	25000000000000000000000.000	11/10/10	73
74	2000000000000000000000.000	50000000000000000000000.000	11/10/10	74
75	5000000000000000000000.000	125000000000000000000000.000	11/10/10	75
76	10000000000000000000000.000	250000000000000000000000.000	11/10/10	76
77	20000000000000000000000.000	500000000000000000000000.000	11/10/10	77
78	50000000000000000000000.000	1250000000000000000000000.000	11/10/10	78
79	100000000000000000000000.000	2500000000000000000000000.000	11/10/10	79
80	200000000000000000000000.000	5000000000000000000000000.000	11/10/10	80
81	500000000000000000000000.000	12500000000000000000000000.000	11/10/10	81
82	1000000000000000000000000.000	25000000000000000000000000.000	11/10/10	82
83	2000000000000000000000000.000	50000000000000000000000000.000	11/10/10	83
84	5000000000000000000000000.000	125000000000000000000000000.000	11/10/10	84
85	10000000000000000000000000.000	250000000000000000000000000.000	11/10/10	85
86	20000000000000000000000000.000	500000000000000000000000000.000	11/10/10	86
87	50000000000000000000000000.000	1250000000000000000000000000.000	11/10/10	87
88	100000000000000000000000000.000	2500000000000000000000000000.000	11/10/10	88
89	200000000000000000000000000.000	5000000000000000000000000000.000	11/10/10	89
90	500000000000000000000000000.000	12500000000000000000000000000.000	11/10/10	90
91	1000000000000000000000000000.000	25000000000000000000000000000.000	11/10/10	91
92	2000000000000000000000000000.000	50000000000000000000000000000.000	11/10/10	92
93	5000000000000000000000000000.000	125000000000000000000000000000.000	11/10/10	93
94	10000000000000000000000000000.000	250000000000000000000000000000.000	11/10/10	94
95	20000000000000000000000000000.000	500000000000000000000000000000.000	11/10/10	95
96	500000000000000000000000000000.000	1250000000000000000000000000000.000	11/10/10	96
97	1000000000000000000000000000000.000	2500000000000000000000000000000.000	11/10/10	97
98	2000000000000000000000000000000.000	5000000000000000000000000000000.000	11/10/10	98
99	5000000000000000000000000000000.000	12500000000000000000000000000000.000	11/10/10	99
100	10000000000000000000000000000000.000	25000000000000000000000000000000.000	11/10/10	100

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