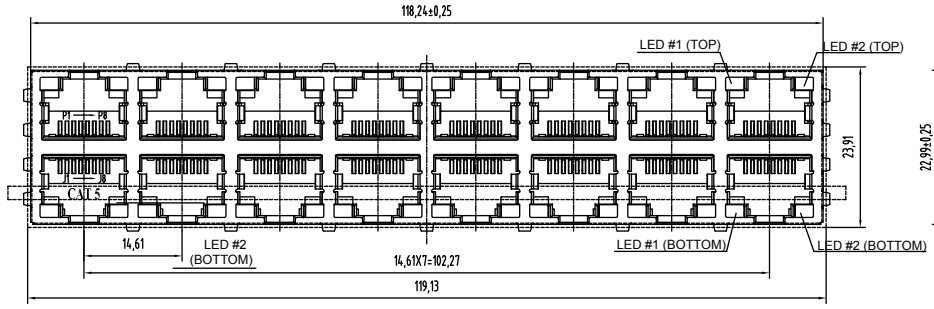
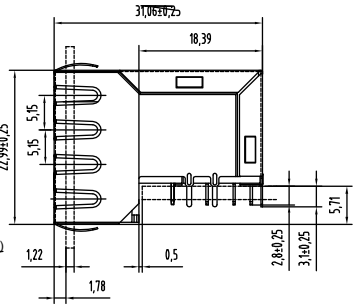
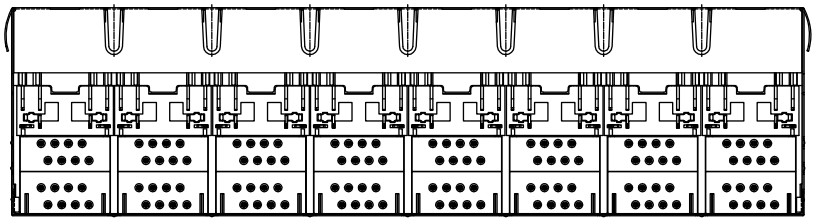
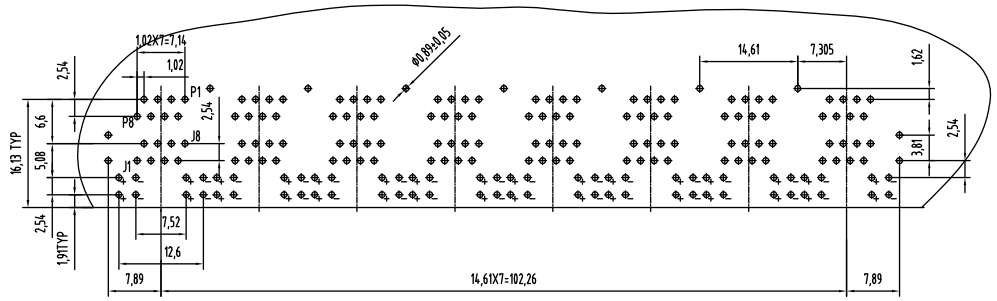






PCB LAYOUT



LED OPTION TABLE:

OPTION	FOWARD	REVERSE	TOP & BOTTOM
G	GREEN	------	UP & DOWN
Y	YELLOW	------	UP & DOWN
1	GREEN	ORANGE	UP & DOWN
2	YELLOW	ORANGE	UP & DOWN
3	GREEN	RED	UP & DOWN
4	YELLOW	RED	UP & DOWN
5	GREEN	YELLOW	UP & DOWN

CAT 5 CHARACTERISTICS:

Frequence	Near-End Cross Talk dB, MIN.	Return Loss dB, MIN.	Attenuation dB, MAX.
1.0 MHZ	65	23	0.1
4.0 MHZ	65	23	0.1
8.0 MHZ	62	23	0.1
10.0 MHZ	60	23	0.1
16.0 MHZ	56	23	0.2
20.0 MHZ	54	23	0.2
25.0 MHZ	52	14	0.2
31.25 MHZ	50	14	0.2
62.5 MHZ	44	14	0.3
100.0 MHZ	40	14	0.4

ELECTRICAL:
CURRENT RATING: 1.5A Min.
CONTACT RESISTANCE:
50 Milliohm Max. @ 500 VDC.
INSULATION RESISTANCE:
1000 Megaohm Min.
DIELECTRIC WITHSTANDING VOLTAGE:
1000VAC (rms) AC 60Hz for 1 Minute
OPERATING TEMPERATURE: 0° C to +70° C

MATERIAL:
INSULATOR: Thermoplastic Polyester (UL 94-V0)
CONTACT: 0.35mm Thickness Phosphor Bronze
CONTACT PLATING: Gold Plating Over Nickel

MECHANICAL:
DURABILITY: 750 Mating Cycles Min.

HOW TO ORDER:

A 3 0 2 0 - 1 6 T - S T 3 - X 0 D - X X - Z

NUMBER OF PORTS:
16 - (2 x 8)

SHIELD:
T - CAT 5 MICRO TCA TYPE (LOW PROFILE)

TABS:
ST - SPRING TABS

SPRING TAB LOCATION:
3 - SPRING TABS ON TOP, SIDES & BOTTOM

SELECTIVE CONTACT PLATING:
1 - 10u" Au CONTACT AREA/TIN TAIL
2 - 15u" Au CONTACT AREA/TIN TAIL
3 - 30u" Au CONTACT AREA/TIN TAIL
4 - 50u" Au CONTACT AREA/TIN TAIL

PCB GROUND TAB LOCATION:
Side Entry, Double Row 6.99 / 10.8

LED 1:
CHOOSE OPTION FROM TABLE

LED 2:

RoHS COMPLIANT

Rev		Drawn	Checked	Approved	Date
0	Issued	B.S.	S.M.	S.M.	03/10/11

SMP TECHNOLOGY, INC.

CAT 5 JACK, 2x8, SIDE ENTRY, OFFSET, MICRO TCA,

SHIELDED, w/LED

TOL. DEC. .XX +/- 0.20 .XXX +/- 0.15 .XXXX +/- 0.075 ANGLE +/- UNIT: mm

P/N: A3020-16T-ST3-X0D-XX-Z