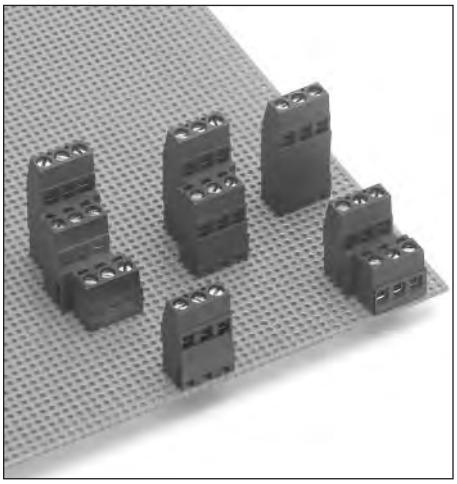
ESMT Multi-Tier Terminal Blocks
Mid-Profile Modular Assembly



Enhanced Density

Multi-tier, .200"/5.0mm spacing terminal blocks are rated at 17.5A and provide enhanced board density as well as system flexibility. Moving cage clamp wire termination ensures high reliability.

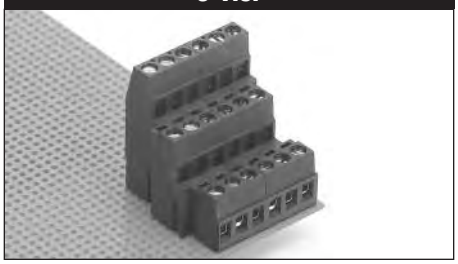
Interlocking Modules

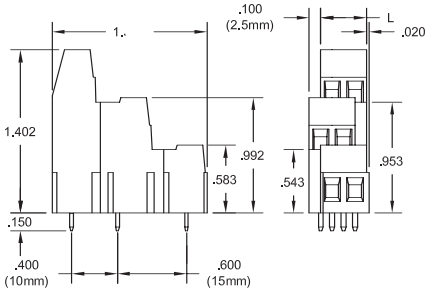
Blocks range to 3 tiers high and are are available in five different configurations: full (3 tiers), 2nd/3rd tier, 1st/2nd tier, 2nd-tier-only and 3rd-tier-only. Each configuration consists of 2- and 3-position-wide modules with interlocking dovetails. Modules can be easily assembled to length. Users have the option of purchasing and stocking only the 2- and 3-position modules, and assembling to size in-house, in order to minimize inventory and maintain flexibility; or ordering product already assembled to size.

Modules are also back-to-front stackable for maximum system flexibility with a minimum number of different modules. A 1st/2nd tier module, for example, can be placed on a board in front of a 3-tier-only module.

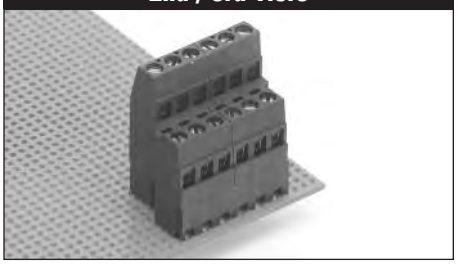
Available in black only.

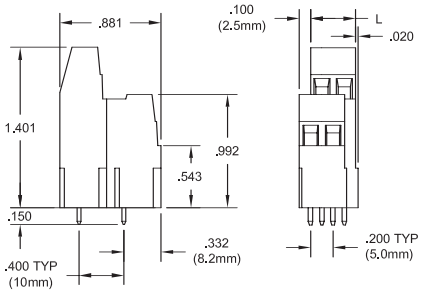
3-Tier





2nd / 3rd Tiers





	Pos	Catalog #	L
.200" Pitch			
Modules	6	ESMT06260	.400"
	9	ESMT09260	.600"
Assemblies	12	ESMT12260	.800"
	15	ESMT15260	1.000"
	18	ESMT18260	1.200"
	21	ESMT21260	1.400"
	24	ESMT24260	1.600"
	27	ESMT27260	1.800"
	30	ESMT30260	2.000"
	33	ESMT33260	2.200"
	36	ESMT36260	2.400"
5mm Pitch			
Modules	6	ESMT06160	10.2mm
	9	ESMT09160	15.2mm
Assemblies	12	ESMT12160	20.3mm
	15	ESMT15160	25.4mm
	18	ESMT18160	30.5mm
	21	ESMT21160	35.6mm
	24	ESMT24160	40.6mm
	27	ESMT27160	45.7mm
	30	ESMT30160	50.8mm
	33	ESMT33160	55.9mm
	36	ESMT36160	61.0mm

	Pos	Catalog #	L
.200" Pitch			
Modules	4	ESMT04250	.400"
	6	ESMT06250	.600"
Assemblies	8	ESMT08250	.800"
	10	ESMT10250	1.000"
	12	ESMT12250	1.200"
	14	ESMT14250	1.400"
	16	ESMT16250	1.600"
	18	ESMT18250	1.800"
	20	ESMT20250	2.000"
	22	ESMT22250	2.200"
	24	ESMT24250	2.400"
5mm Pitch			
Modules	4	ESMT04150	10.2mm
	6	ESMT06150	15.2mm
Assemblies	8	ESMT08150	20.3mm
	10	ESMT10150	25.4mm
	12	ESMT12150	30.5mm
	14	ESMT14150	35.6mm
	16	ESMT16150	40.6mm
	18	ESMT18150	45.7mm
	20	ESMT20150	50.8mm
	22	ESMT22150	55.9mm
	24	ESMT24150	61.0mm

APPROVALS:

SPECIFICATIONS:

Current Rating: 17.5A
Operating Voltage: 300V
Insulation Resistance: $>10^3$ Megohms
Contact Resistance: <15milliohms

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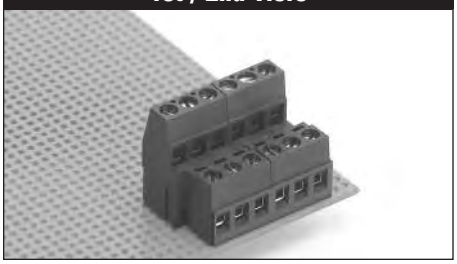
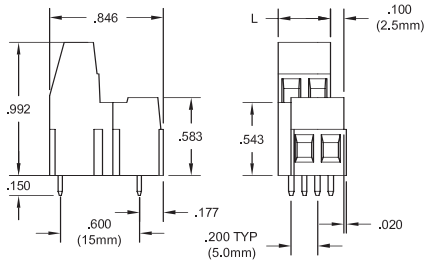
ESMT Multi-Tier Terminal Blocks
Mid-Profile Modular Assembly

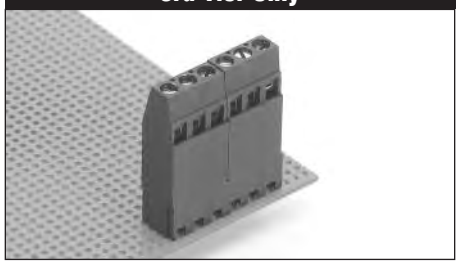
.200" (5.08mm)
5.0mm (.197")

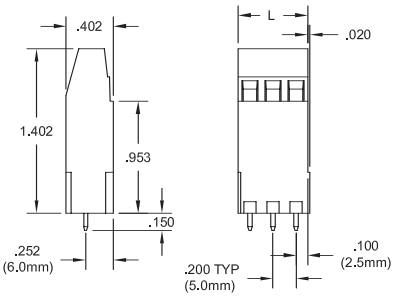
1st / 2nd Tiers



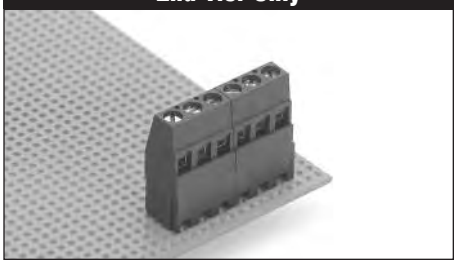


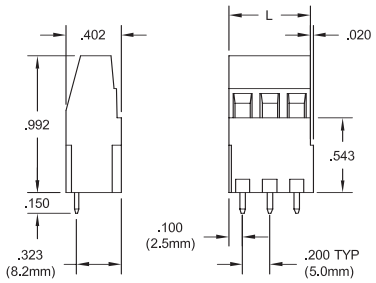
3rd Tier Only





2nd Tier Only





	Pos	Catalog #	L
.200" Pitch			
Modules	4	ESMT04240	.400"
	6	ESMT06240	.600"
Assemblies	8	ESMT08240	.800"
	10	ESMT10240	1.000"
	12	ESMT12240	1.200"
	14	ESMT14240	1.400"
	16	ESMT16240	1.600"
	18	ESMT18240	1.800"
	20	ESMT20240	2.000"
	22	ESMT22240	2.200"
	24	ESMT24240	2.400"
5mm Pitch			
Modules	4	ESMT04140	10.2mm
	6	ESMT06140	15.2mm
Assemblies	8	ESMT08140	20.3mm
	10	ESMT10140	25.4mm
	12	ESMT12140	30.5mm
	14	ESMT14140	35.6mm
	16	ESMT16140	40.6mm
	18	ESMT18140	45.7mm
	20	ESMT20140	50.8mm
	22	ESMT22140	55.9mm
	24	ESMT24140	61.0mm

	Pos	Catalog #	L
.200" Pitch			
Modules	2	ESMT02230	.400"
	3	ESMT03230	.600"
Assemblies	4	ESMT04230	.800"
	5	ESMT05230	1.000"
	6	ESMT06230	1.200"
	7	ESMT07230	1.400"
	8	ESMT08230	1.600"
	9	ESMT09230	1.800"
	10	ESMT10230	2.000"
	11	ESMT11230	2.200"
	12	ESMT12230	2.400"
5mm Pitch			
Modules	2	ESMT02130	10.2mm
	3	ESMT03130	15.2mm
Assemblies	4	ESMT04130	20.3mm
	5	ESMT05130	25.4mm
	6	ESMT06130	30.5mm
	7	ESMT07130	35.6mm
	8	ESMT08130	40.6mm
	9	ESMT09130	45.7mm
	10	ESMT10130	50.8mm
	11	ESMT11130	55.9mm
	12	ESMT12130	61.0mm

	Pos	Catalog #	L
.200" Pitch			
Modules	2	ESMT02220	.400"
	3	ESMT03220	.600"
Assemblies	4	ESMT04220	.800"
	5	ESMT05220	1.000"
	6	ESMT06220	1.200"
	7	ESMT07220	1.400"
	8	ESMT08220	1.600"
	9	ESMT09220	1.800"
	10	ESMT10220	2.000"
	11	ESMT11220	2.200"
	12	ESMT12220	2.400"
5mm Pitch			
Modules	2	ESMT02120	10.2mm
	3	ESMT03120	15.2mm
Assemblies	4	ESMT04120	20.3mm
	5	ESMT05120	25.4mm
	6	ESMT06120	30.5mm
	7	ESMT07120	35.6mm
	8	ESMT08120	40.6mm
	9	ESMT09120	45.7mm
	10	ESMT10120	50.8mm
	11	ESMT11120	55.9mm
	12	ESMT12120	61.0mm

MATERIALS:

Housing: Polyamide 6/6, UL 94V-0, black
Contact: Copper alloy, tin-lead finish
Clamp Screw: Copper alloy, nickel finish
Wire clamp: Copper alloy, nickel finish

INSTALLATION:

Wire Range: 12-30 AWG
Wire Strip Length: .216-.256"
Recommended Tightening Torque: 4.4 lb-in. (0.5N-m)
Hole Diameter: .043 min.

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