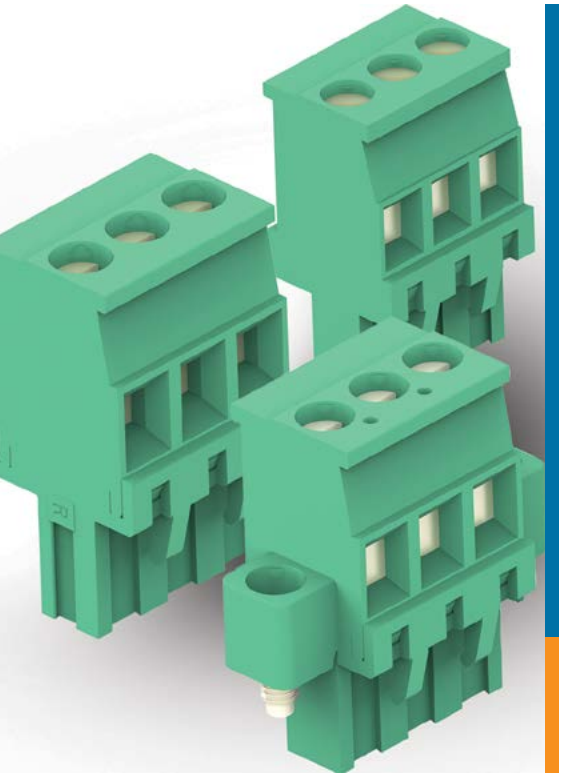


BUCHANAN PCB TERMINAL BLOCKS

Quality in Connectivity

TE Connectivity's BUCHANAN PCB terminal blocks feature various wire termination methods including rising cage screw clamp and Push-in clamp. The design of terminal block connectors consists of one-piece board mount terminal blocks and two-piece plug connectors with mating straight and right angle shrouded headers. Board mount connectors, as well as PCB headers, are stackable end-to-end without loss of centerline spacing.

Ease of assembly is facilitated by our built-in interlocks on the modular housings types. Pre-assembled products can be delivered upon request. Header housings are available in high-temperature resin for cost-efficicent reflow soldering process.

VERTICAL PLUG WIRE TO BOARD CONNECTION, RISING CAGE SCREW CLAMP

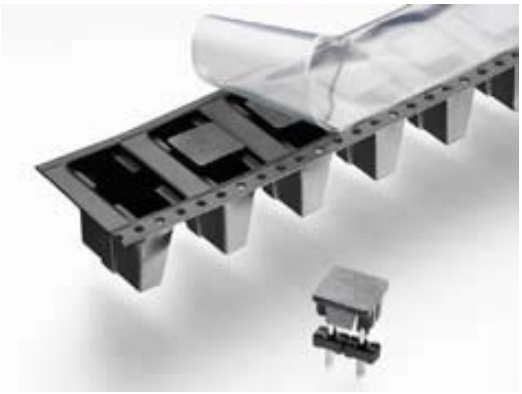
The Vertical Plug family of TE Connectivity's BUCHANAN PCB terminal blocks are available in 5.0mm (.197in), 5.08mm (.200in), 7.5mm (.295in), 7.62mm (.300in), 10.0mm (.394in) and 10.16mm (.400in) centerline blocks, suitable for max. 2.5mm²/AWG12 (acc. IEC/acc. UL) handle up to 16A/15A (acc. IEC/acc. UL).

CUSTOMER BENEFITS

- Nonmagnetic metal parts, allowing usage in EMV sensitive devices and corrosive environments
- Low temperature rise during operation due to maximal contact force
- All terminal blocks are supplied with open screws which shortens the time for connection
- The double captive screw system guards against lost screws
- The housing material used is halogen-free Polyamide 6.6 per UL 94V-0 (self-extinguishing)
- Rising cage and screw clamp versions come with post tin-plated contacts with nickel underplate which allows the product to be used in corrosive environments
- Through-hole reflow compatible versions are available for cost-efficient soldering process according to JEDEC J-STD-020
- High-temperature resin can withstand 260°C peak for lead-free tin soldering process and are MSL 1 rated (Moisture Sensitivity Level 1) and immune to damages caused by humidity

OPTIONS FOR YOUR CONNECTIONS

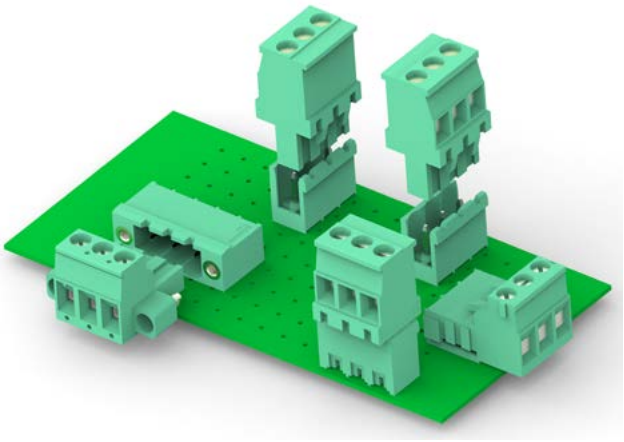
Packaging Options: TE uses tape-on-reel packaging. This packaging makes it possible for customers to use automated pick and place equipment. Tape on reel may be used with high temperature products designed for through-hole reflow (THR) applications. Contact your TE terminal blocks team for specific details on other packaging options such as tubes and trays.

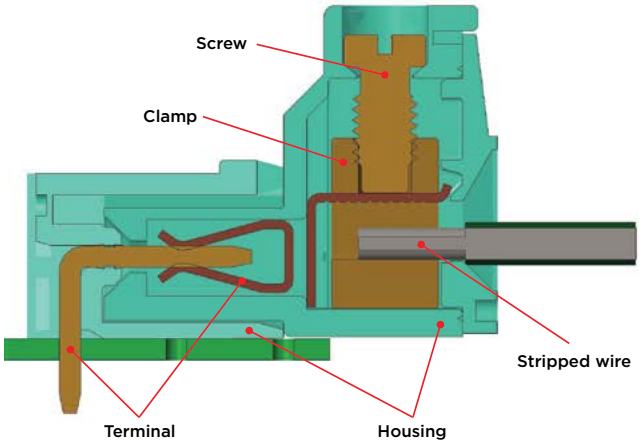


Color Options: With BUCHANAN PCB terminal blocks, you have the option of choosing the color of your product. This may benefit you by helping with organization and identification of your pieces. Many color options are available and will generally have only a minimal effect on lead times and minimum order quantities.

Marking Options: The printing is permanent and is typically done in either black or white. Adhesive labels are available to number the cavities. Customer specific labeling is also available upon request.

TERMINAL BLOCK VERTICAL PLUG (PITCH 5.00, 5.08, 7.50, 7.62, 10.00, 10.16 MM)





			IEC		
	Pitch (mm)	UL	Overvoltage category / Pollution degree		
			III / 3	III / 2	II / 2
Operating Voltage(V)	5/5.08	300 V	250 V	300 V	600 V
	7.5/7.62	300 V	400 V	600 V	1000 V
	10/10.16	600 V	630 V	1000 V	1000 V
Current (A)	5/5.08	15 A	16 A		
	7.5/7.62	15 A	16 A		
	10/10.16	15 A	16 A		
Wire Range	5/5.08	12-30 AWG	2.5mm²		
	7.5/7.62	12-30 AWG	2.5mm²		
	10/10.16	12-30 AWG	2.5mm²		
Dielectric Withstand	5/5.08	4 kV	4 kV		
	7.5/7.62	6 kV	6 kV		
	10/10.16	8 kV	8 kV		
Wire Type		Sol/Str	Sol/Str		
Insulation Resistance	>1000M Ω (500V DC)				
Contact Resistance	<15 mΩ				

DIRECTION OF WIRE ENTRY ANGLE TO PLUG

90°	180°	270°

HEADER MOUNTING ANGLE TYPE TO PCB

90°	180°

MECHANICAL

- **Clamping Screw Size:** M3
- **Recommended Tightening Torque:** 0.5 Nm
- **Wire Strip Length:** 6.0/7.5 mm
- **PCB hole diameter:** 1.4 mm Min.
- **PCB Board Thickness:** 2.4 mm Max.

MATERIAL

- **Housing:** Polyamide 6.6, UL 94V-0
- **Terminals:** Brass; Finish: Leadfree tin-plated
- **Cage Clamp:** Brass: Finish Nickel-plated
- **Clamping Screw:** Brass; Finish: Nickel-plated

ENVIRONMENTAL

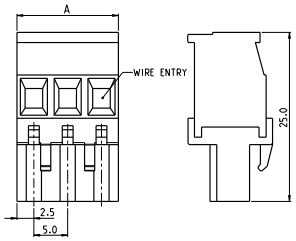
- **Operating Temp Range:** -40 °C - 105 °C (-40 °F - +221 °F)

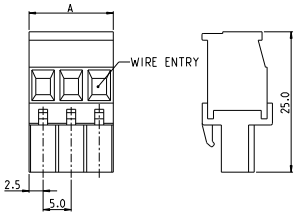
PRODUCT COMPLIANCE / APPROVALS

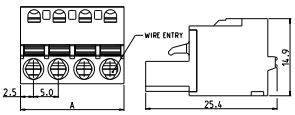
- RoHS Compliant
- **UL approval:** File No. E60677

Note: Parts listed in this document are approved

PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER - 5.00MM PITCH**



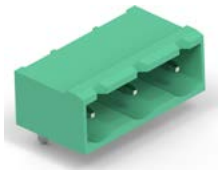


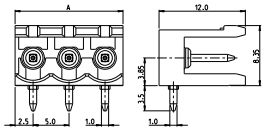
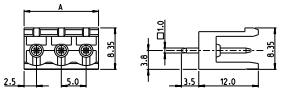
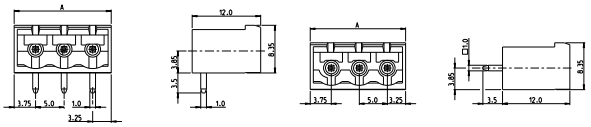


Pitch	Position	Stackable plug			
		90°	270°	180°	DIM A
5.00	2	284046-2	1546118-2	1546557-2	10.00
	3	284046-3	1546118-3	1546557-3	15.00
	4	284046-4	1546118-4	1546557-4	20.00
	5	284046-5	1546118-5	1546557-5	25.00
	6	284046-6	1546118-6	1546557-6	30.00
	7	284046-7	1546118-7	1546557-7	35.00
	8	284046-8	1546118-8	1546557-8	40.00
	9	284046-9	1546118-9	1546557-9	45.00
	10	1-284046-0	1-1546118-0	1-1546557-0	50.00
	11	1-284046-1	1-1546118-1	1-1546557-1	55.00
	12	1-284046-2	1-1546118-2	1-1546557-2	60.00
	13	1-284046-3	1-1546118-3	1-1546557-3	65.00
	14	1-284046-4	1-1546118-4	1-1546557-4	70.00
	15	1-284046-5	1-1546118-5	1-1546557-5	75.00
	16	1-284046-6	1-1546118-6	1-1546557-6	80.00
	17	1-284046-7	1-1546118-7	1-1546557-7	85.00
	18	1-284046-8	1-1546118-8	1-1546557-8	90.00
	19	1-284046-9	1-1546118-9		95.00
	20	2-284046-0	2-1546118-0		100.00
	21	2-284046-1	2-1546118-1		105.00
	22	2-284046-2	2-1546118-2		110.00
	23	2-284046-3	2-1546118-3		115.00
	24	2-284046-4	2-1546118-4		120.00
	25	2-284046-5	2-1546118-5		125.00

- All dimensions are in mm.

PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER - 5.00MM PITCH**

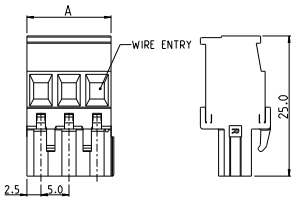


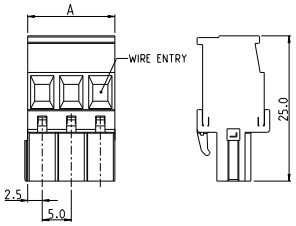




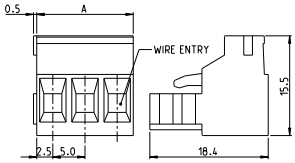
Header with open ends			Header with closed ends		
90°	180°	DIM A	90°**	180°**	DIM A
282812-2	282822-2	10.00	796644-2	796642-2	12.00
282812-3	282822-3	15.00	796644-3	796642-3	17.00
282812-4	282822-4	20.00	796644-4	796642-4	22.00
282812-5	282822-5	25.00	796644-5	796642-5	27.00
282812-6	282822-6	30.00	796644-6	796642-6	32.00
282812-7	282822-7	35.00	796644-7	796642-7	37.00
282812-8	282822-8	40.00	796644-8	796642-8	42.00
282812-9	282822-9	45.00	796644-9	796642-9	47.00
1-282812-0	1-282822-0	50.00	1-796644-0	1-796642-0	52.00
1-282812-1	1-282822-1	55.00	1-796644-1	1-796642-1	57.00
1-282812-2	1-282822-2	60.00	1-796644-2	1-796642-2	62.00
1-282812-3	1-282822-3	65.00	1-796644-3	1-796642-3	67.00
1-282812-4	1-282822-4	70.00	1-796644-4	1-796642-4	72.00
1-282812-5	1-282822-5	75.00	1-796644-5	1-796642-5	77.00
1-282812-6	1-282822-6	80.00	1-796644-6	1-796642-6	82.00
1-282812-7	1-282822-7	85.00	1-796644-7	1-796642-7	87.00
1-282812-8	1-282822-8	90.00	1-796644-8	1-796642-8	92.00
1-282812-9	1-282822-9	95.00	1-796644-9	1-796642-9	97.00
2-282812-0	2-282822-0	100.00	2-796644-0	2-796642-0	102.00
2-282812-1	2-282822-1	105.00	2-796644-1	2-796642-1	107.00
2-282812-2	2-282822-2	110.00	2-796644-2	2-796642-2	112.00
2-282812-3	2-282822-3	115.00	2-796644-3	2-796642-3	117.00
2-282812-4	2-282822-4	120.00	2-796644-4	2-796642-4	122.00
2-282812-5	2-282822-5	125.00	2-796644-5	2-796642-5	127.00

** For reflow part numbers refer to page no. 23

PRODUCT SELECTION INFORMATION – **TWO-PIECE MODULAR WITH OPEN AND CLOSED HEADER - 5.00MM PITCH**

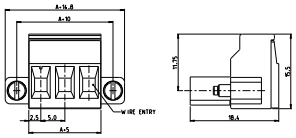
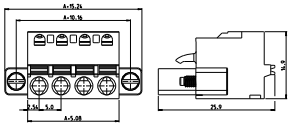






Pitch	Position	Modular Plug			
		90°	270°	180°	DIM A
5.00	2	1986976-2	1986978-2	282805-2	10.00
	3	1986976-3	1986978-3	282805-3	15.00
	4	1986976-4	1986978-4	282805-4	20.00
	5	1986976-5	1986978-5	-	-
	6	1986976-6	1986978-6	-	-
	7	1986976-7	1986978-7	-	-
	8	1986976-8	1986978-8	-	-

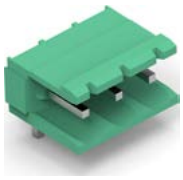
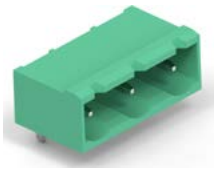
PRODUCT SELECTION INFORMATION – **TWO-PIECE PLUG LOCKING SCREW WITH HEADER LOCKING SCREW - 5.00MM PITCH**

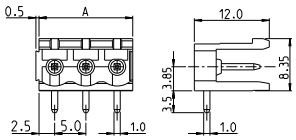



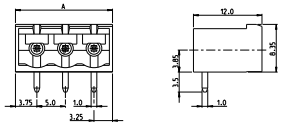
Pitch	Position	Plug with Locking screw		
		180°	180°	DIM A
5.00	2	796858-2	1986829-2	5.00
	3	796858-3	1986829-3	10.00
	4	796858-4	1986829-4	15.00
	5	796858-5	1986829-5	20.00
	6	796858-6	1986829-6	25.00
	7	796858-7	1986829-7	30.00
	8	796858-8	1986829-8	35.00
	9	796858-9	-	40.00
	10	1-796858-0	-	45.00

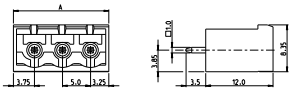
- All dimensions are in mm.

PRODUCT SELECTION INFORMATION – **TWO-PIECE MODULAR WITH OPEN AND CLOSED HEADER - 5.00MM PITCH**

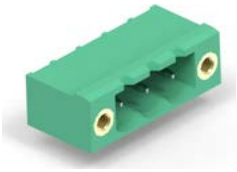


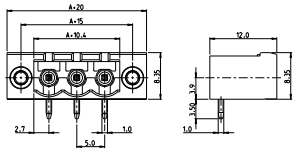




Header with open ends		Header with closed ends		
90°	DIM A	90°**	180°**	DIM A
282811-2	10.00	796644-2	796642-2	12.00
282811-3	15.00	796644-3	796642-3	17.00
282811-4	20.00	796644-4	796642-4	22.00
-	-	796644-5	796642-5	27.00
-	-	796644-6	796642-6	32.00
-	-	796644-7	796642-7	37.00
-	-	796644-8	796642-8	42.00

PRODUCT SELECTION INFORMATION – **TWO-PIECE PLUG LOCKING SCREW WITH HEADER LOCKING SCREW - 5.00MM PITCH**

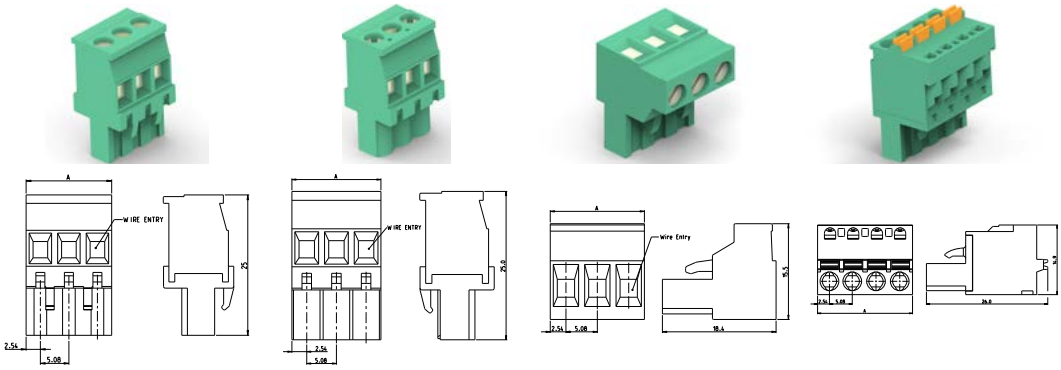




Header with locking screw	
90°	DIM A
796864-2	5.00
796864-3	10.00
796864-4	15.00
796864-5	20.00
796864-6	25.00
796864-7	30.00
796864-8	35.00
796864-9	40.00
1-796864-0	45.00

** For reflow part numbers refer to page no. 23

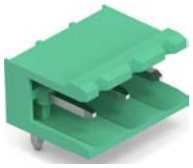
PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER - 5.08MM PITCH**

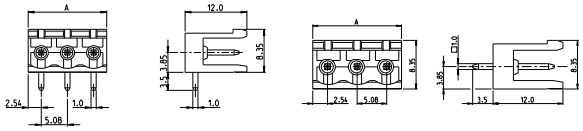
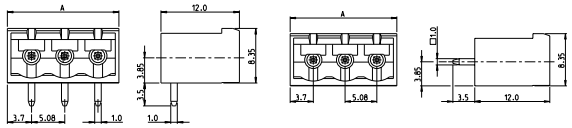


Pitch	Position	Stackable plug				
		90°	270°	180°	180°	DIM A
5.08	2	284047-2	284041-2	796634-2	1986262-2	10.16
	3	284047-3	284041-3	796634-3	1986262-3	15.24
	4	284047-4	284041-4	796634-4	1986262-4	20.32
	5	284047-5	284041-5	796634-5	1986262-5	25.40
	6	284047-6	284041-6	796634-6	1986262-6	30.48
	7	284047-7	284041-7	796634-7	1986262-7	35.56
	8	284047-8	284041-8	796634-8	1986262-8	40.64
	9	284047-9	284041-9	796634-9	1986262-9	45.72
	10	1-284047-0	1-284041-0	1-796634-0	1-1986262-0	50.80
	11	1-284047-1	1-284041-1	1-796634-1	1-1986262-1	55.88
	12	1-284047-2	1-284041-2	1-796634-2	1-1986262-2	60.96
	13	1-284047-3	1-284041-3	1-796634-3	1-1986262-3	66.04
	14	1-284047-4	1-284041-4	1-796634-4	1-1986262-4	71.12
	15	1-284047-5	1-284041-5	1-796634-5	1-1986262-5	76.20
	16	1-284047-6	1-284041-6	1-796634-6	1-1986262-6	81.28
	17	1-284047-7	1-284041-7	1-796634-7	1-1986262-7	86.36
	18	1-284047-8	1-284041-8	1-796634-8	1-1986262-8	91.44
	19	1-284047-9	1-284041-9	1-796634-9	-	96.52
	20	2-284047-0	2-284041-0	2-796634-0	-	101.60
	21	2-284047-1	2-284041-1	2-796634-1	-	106.68
	22	2-284047-2	2-284041-2	2-796634-2	-	111.76
	23	2-284047-3	2-284041-3	2-796634-3	-	116.84
	24	2-284047-4	2-284041-4	2-796634-4	-	121.92
	25	2-284047-5	2-284041-5	2-796634-5	-	127.00

- All dimensions are in mm.

PRODUCT SELECTION INFORMATION – TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER - 5.08MM PITCH

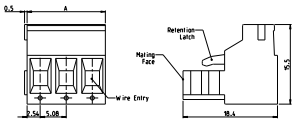


Header with open ends			Header with closed ends		
90°	180°	DIM A	90°**	180°**	DIM A
282815-2	282825-2	10.16	796638-2	796636-2	11.98
282815-3	282825-3	15.24	796638-3	796636-3	17.06
282815-4	282825-4	20.32	796638-4	796636-4	22.14
282815-5	282825-5	25.40	796638-5	796636-5	27.22
282815-6	282825-6	30.48	796638-6	796636-6	32.30
282815-7	282825-7	35.56	796638-7	796636-7	37.38
282815-8	282825-8	40.64	796638-8	796636-8	42.46
282815-9	282825-9	45.72	796638-9	796636-9	47.54
1-282815-0	1-282825-0	50.80	1-796638-0	1-796636-0	52.62
1-282815-1	1-282825-1	55.88	1-796638-1	1-796636-1	57.70
1-282815-2	1-282825-2	60.96	1-796638-2	1-796636-2	62.78
1-282815-3	1-282825-3	66.04	1-796638-3	1-796636-3	67.86
1-282815-4	1-282825-4	71.12	1-796638-4	1-796636-4	72.94
1-282815-5	1-282825-5	76.20	1-796638-5	1-796636-5	78.02
1-282815-6	1-282825-6	81.28	1-796638-6	1-796636-6	83.10
1-282815-7	1-282825-7	86.36	1-796638-7	1-796636-7	88.18
1-282815-8	1-282825-8	91.44	1-796638-8	1-796636-8	93.26
1-282815-9	1-282825-9	96.52	1-796638-9	1-796636-9	98.34
2-282815-0	2-282825-0	101.60	2-796638-0	2-796636-0	103.42
2-282815-1	2-282825-1	106.68	2-796638-1	2-796636-1	108.50
2-282815-2	2-282825-2	111.76	2-796638-2	2-796636-2	113.58
2-282815-3	2-282825-3	116.84	2-796638-3	2-796636-3	118.66
2-282815-4	2-282825-4	121.92	2-796638-4	2-796636-4	123.74
2-282815-5	2-282825-5	127.00	2-796638-5	2-796636-5	128.82

** For reflow part numbers refer to page no. 24

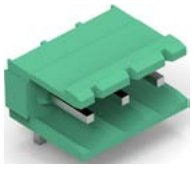
PRODUCT SELECTION INFORMATION – **TWO-PIECE MODULAR WITH OPEN AND CLOSED HEADER - 5.08MM PITCH**

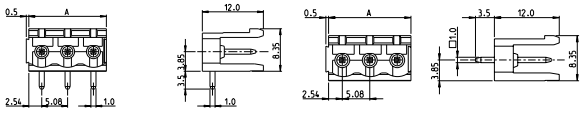
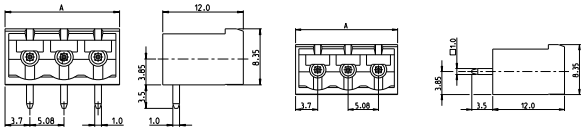


Pitch	Position	Stackable plug	
		180°	DIM A
5.08	2	282807-2	10.16
	3	282807-3	15.24
	4	282807-4	20.32

- All dimensions are in mm.

PRODUCT SELECTION INFORMATION – **TWO-PIECE MODULAR WITH OPEN AND CLOSED HEADER - 5.08MM PITCH**

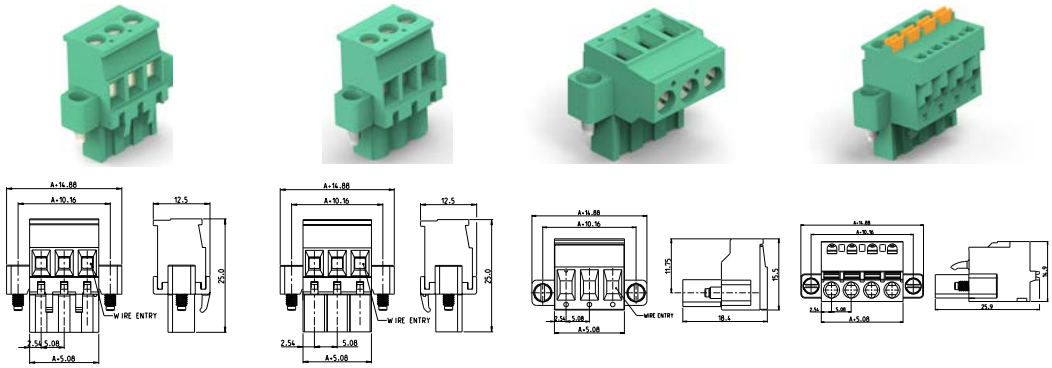


Header with open ends			Header with closed ends		
90°	**180°**	**DIM A**	**90°****	**180°****	**DIM A**
282814-2	282824-2	10.16	796638-2	796636-2	11.98
282814-3	282824-3	15.24	796638-3	796636-3	17.06
282814-4	282824-4	20.32	796638-4	796636-4	22.14

** For reflow part numbers refer to page no. 24

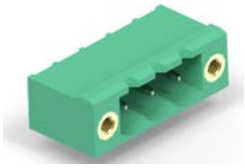
PRODUCT SELECTION INFORMATION – TWO-PIECE PLUG LOCKING SCREW WITH HEADER LOCKING SCREW - 5.08MM PITCH

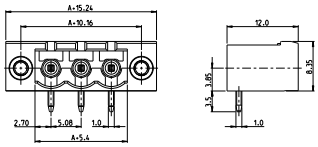


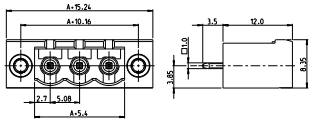
Pitch	Position	Stackable plug				
		90°	270°	180°	90°	DIM A
5.08	2	796863-2	796861-2	796859-2	1986830-2	5.08
	3	796863-3	796861-3	796859-3	1986830-3	10.16
	4	796863-4	796861-4	796859-4	1986830-4	15.24
	5	796863-5	796861-5	796859-5	1986830-5	20.32
	6	796863-6	796861-6	796859-6	1986830-6	25.40
	7	796863-7	796861-7	796859-7	1986830-7	30.48
	8	796863-8	796861-8	796859-8	1986830-8	35.56
	9	796863-9	796861-9	796859-9	-	40.64
	10	1-796863-0	1-796861-0	1-796859-0	-	45.72
	11	1-796863-1	1-796861-1	1-796859-1	-	50.80
	12	1-796863-2	1-796861-2	1-796859-2	-	55.88
	13	1-796863-3	1-796861-3	1-796859-3	-	60.96
	14	1-796863-4	1-796861-4	1-796859-4	-	66.04
	15	1-796863-5	1-796861-5	1-796859-5	-	71.12
	16	1-796863-6	1-796861-6	1-796859-6	-	76.20
	17	1-796863-7	1-796861-7	1-796859-7	-	81.28
	18	1-796863-8	1-796861-8	1-796859-8	-	86.36
	19	1-796863-9	1-796861-9	1-796859-9	-	91.44
	20	2-796863-0	2-796861-0	2-796859-0	-	96.52
	21	2-796863-1	2-796861-1	2-796859-1	-	101.60
	22	2-796863-2	2-796861-2	2-796859-2	-	106.68
	23	2-796863-3	2-796861-3	2-796859-3	-	111.76

- All dimensions are in mm.

PRODUCT SELECTION INFORMATION – **TWO-PIECE PLUG LOCKING SCREW WITH HEADER LOCKING SCREW - 5.08MM PITCH**

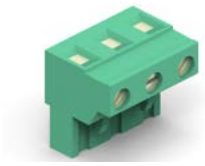


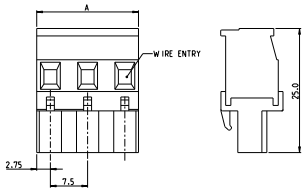


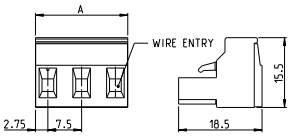


Header with closed ends		
90°	**180°**	**DIM A**
796866-2	796867-2	5.08
796866-3	796867-3	10.16
796866-4	796867-4	15.24
796866-5	796867-5	20.32
796866-6	796867-6	25.40
796866-7	796867-7	30.48
796866-8	796867-8	35.56
796866-9	796867-9	40.64
1-796866-0	1-796867-0	45.72
1-796866-1	1-796867-1	50.80
1-796866-2	1-796867-2	55.88
1-796866-3	1-796867-3	60.96
1-796866-4	1-796867-4	66.04
1-796866-5	1-796867-5	71.12
1-796866-6	1-796867-6	76.20
1-796866-7	1-796867-7	81.28
1-796866-8	1-796867-8	86.36
1-796866-9	1-796867-9	91.44
2-796866-0	2-796867-0	96.52
2-796866-1	2-796867-1	101.60
2-796866-2	2-796867-2	106.68
2-796866-3	2-796867-3	111.76

PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 7.50MM PITCH**



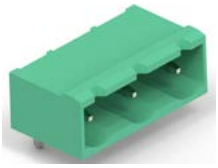


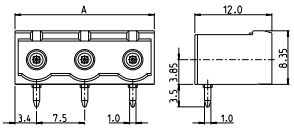


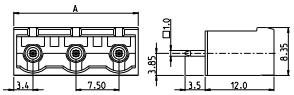
Pitch	Position	Stackable plug		
		270°	180°	DIM A
7.50	2	284042-2	282959-2	13.00
	3	284042-3	282959-3	20.50
	4	284042-4	282959-4	28.00
	5	284042-5	282959-5	35.50
	6	284042-6	282959-6	43.00
	7	284042-7	282959-7	50.50
	8	284042-8	282959-8	58.00
	9	284042-9	282959-9	65.50
	10	1-284042-0	1-282959-0	73.00
	11	1-284042-1	1-282959-1	80.50
	12	1-284042-2	1-282959-2	88.00

- All dimensions are in mm.

PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 7.50MM PITCH**

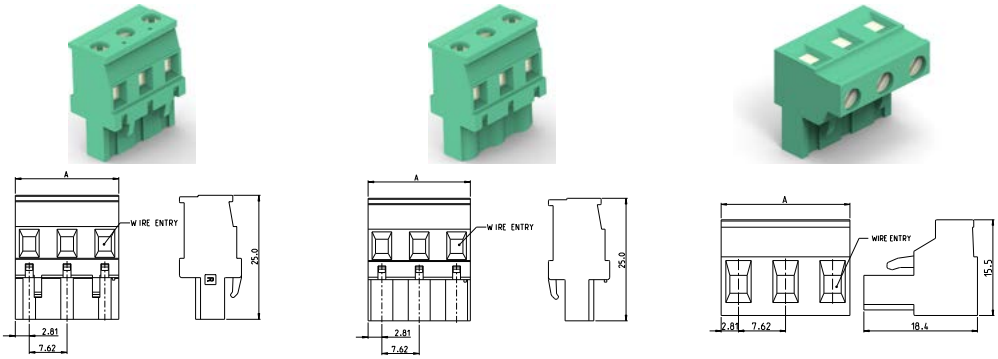






Header with closed ends		
90°	**180°**	**DIM A**
282962-2	282964-2	14.20
282962-3	282964-3	21.70
282962-4	282964-4	29.20
282962-5	282964-5	36.70
282962-6	282964-6	44.20
282962-7	282964-7	51.70
282962-8	282964-8	59.20
282962-9	282964-9	66.70
1-282962-0	1-282964-0	74.20
1-282962-1	1-282964-1	81.70
1-282962-2	1-282964-2	89.20

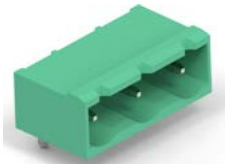
PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 7.62MM PITCH**

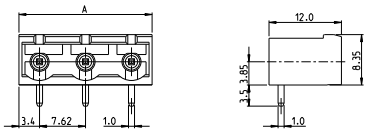


Pitch	Position	Stackable plug			
		90°	270°	180°	DIM A
7.62	2	284049-2	284043-2	796981-2	13.24
	3	284049-3	284043-3	796981-3	20.86
	4	284049-4	284043-4	796981-4	28.48
	5	284049-5	284043-5	796981-5	36.10
	6	284049-6	284043-6	796981-6	43.72
	7	284049-7	284043-7	796981-7	51.34
	8	284049-8	284043-8	796981-8	58.96
	9	284049-9	284043-9	796981-9	66.58
	10	1-284049-0	1-284043-0	1-796981-0	74.20
	11	1-284049-1	1-284043-1	1-796981-1	81.82
	12	1-284049-2	1-284043-2	1-796981-2	89.44

- All dimensions are in mm.

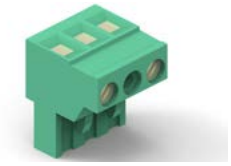
PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 7.62MM PITCH**

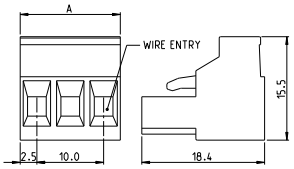




Header with closed ends	
90°	**DIM A**
282966-2	14.44
282966-3	22.06
282966-4	29.68
282966-5	37.30
282966-6	44.92
282966-7	52.54
282966-8	60.16
282966-9	67.78
1-282966-0	75.40
1-282966-1	83.02
1-282966-2	90.64

PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 10.00MM PITCH**

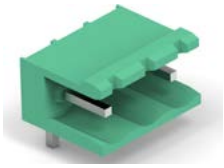


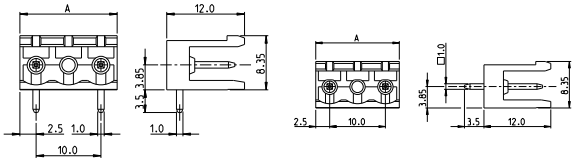


Pitch	Position	Stackable plug	
		180°	DIM A
10.00	2	282808-2	15.00
	3	282808-3	25.00
	4	282808-4	35.00
	5	282808-5	45.00
	6	282808-6	55.00
	7	282808-7	65.00
	8	282808-8	75.00
	9	282808-9	85.00
	10	1-282808-0	95.00
	11	1-282808-1	105.00
	12	1-282808-2	115.00
	13	1-282808-3	125.00

- All dimensions are in mm.

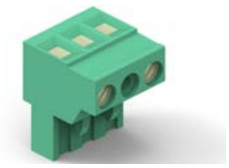
PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 10.00MM PITCH**

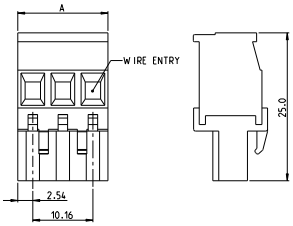


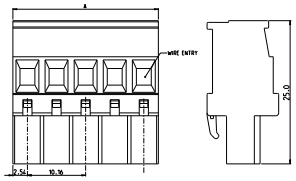


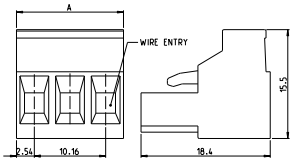
Header with open ends			Header with closed ends		
90°	**180°**	**DIM A**	**90°**	**180°**	**DIM A**
282817-2	282827-2	15.00	282816-2	282826-2	15.00
282817-3	282827-3	25.00	282816-3	282826-3	25.00
282817-4	282827-4	35.00	282816-4	282826-4	35.00
282817-5	282827-5	45.00	282816-5	282826-5	45.00
282817-6	282827-6	55.00	282816-6	282826-6	55.00
282817-7	282827-7	65.00	282816-7	282826-7	65.00
282817-8	282827-8	75.00	282816-8	282826-8	75.00
282817-9	282827-9	85.00	282816-9	282826-9	85.00
1-282817-0	1-282827-0	95.00	1-282816-0	1-282826-0	95.00
1-282817-1	1-282827-1	105.00	1-282816-1	1-282826-1	105.00
1-282817-2	1-282827-2	115.00	1-282816-2	1-282826-2	115.00
1-282817-3	1-282827-3	125.00	1-282816-3	1-282826-3	125.00

PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 10.16MM PITCH**





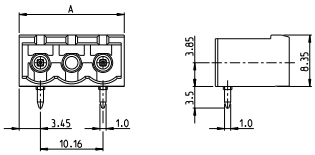




Pitch	Position	Stackable plug			
		90°	270°	180°	DIM A
10.16	2	284051-2	284045-2	282809-2	15.24
	3	284051-3	284045-3	282809-3	25.40
	4	284051-4	284045-4	282809-4	35.56
	5	284051-5	284045-5	282809-5	45.72
	6	284051-6	284045-6	282809-6	55.88
	7	284051-7	284045-7	282809-7	66.04
	8	284051-8	284045-8	282809-8	76.20
	9	284051-9	284045-9	282809-9	86.36
	10	1-284051-0	1-284045-0	1-282809-0	96.52
	11	1-284051-1	1-284045-1	1-282809-1	106.68
	12	1-284051-2	1-284045-2	1-282809-2	116.84
	13	1-284051-3	1-284045-3	1-282809-3	127.00

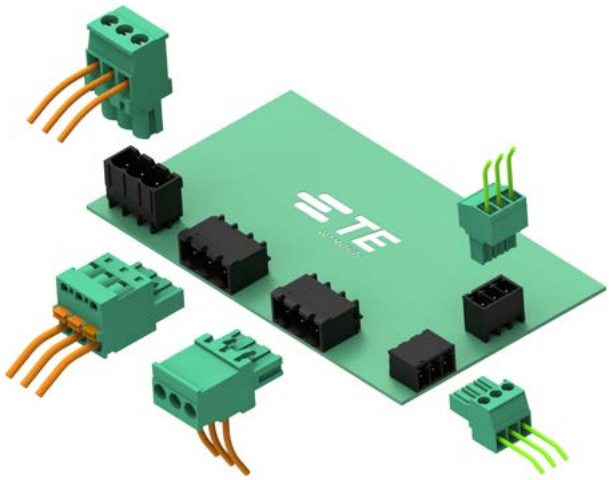
- All dimensions are in mm.

PRODUCT SELECTION INFORMATION – TWO-PIECE STACKABLE WITH OPEN AND CLOSED HEADER – 10.16MM PITCH



Header with closed ends		
90°	**180°**	**DIM A**
282818-2	282828-2	17.06
282818-3	282828-3	27.22
282818-4	282828-4	37.38
282818-5	282828-5	47.54
282818-6	282828-6	57.70
282818-7	282828-7	67.86
282818-8	282828-8	78.02
282818-9	282828-9	88.18
1-282818-0	1-282828-0	98.34
1-282818-1	1-282828-1	108.50
1-282818-2	1-282828-2	118.66
1-282818-3	1-282828-3	128.82

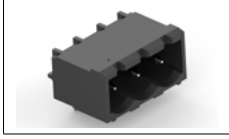
TERMINAL BLOCK VERTICAL PLUG (PITCH 5.00, 5.08 MM)



ELECTRICAL

			IEC		
	Pitch (mm)	UL	Overvoltage category / Pollution degree		
			III / 3	III / 2	II / 2
Operating Voltage(V)	5/5.08	300 V	250 V	300 V	600 V
Current (A)	5/5.08	15 A	16 A		
Wire Range	5/5.08	12-30 AWG	2.5mm²		
Dielectric Withstand	5/5.08	4 kV	4 kV		
Wire Type		Sol/Str	Sol/Str		
Insulation Resistance	>1000M Ω (500V DC)				
Contact Resistance	<15 mΩ				

HEADER MOUNTING ANGLE TYPE TO PCB

90°	180°
	

MECHANICAL

- **PCB hole diameter:** 1.3 mm Min.
- **PCB Board Thickness:** 1.6 mm Max.

MATERIAL

- **Housing:** High Temp Polyamide, UL 94V-0
- **Terminals:** Brass; Finish: Leadfree tin-plated

SOLDERING TECHNOLOGY

- **Soldering standard -** soldering process according to JEDEC J-STD-020
- **Process quality -** high-temperature resin can withstand 260°C peak for lead-free tin soldering process and are MSL 1 rated (Moisture Sensitivity Level 1) and immune to damages caused by humidity
- **Packaging -** Tape and Reel, Tube or Tray Packaging available on request for every part number

ENVIRONMENTAL

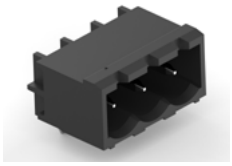
- **Operating Temp Range:** -40 °C - 105 °C (-40 °F - +221 °F)

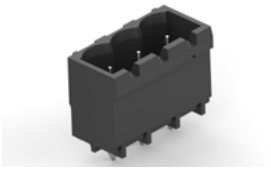
PRODUCT COMPLIANCE / APPROVALS

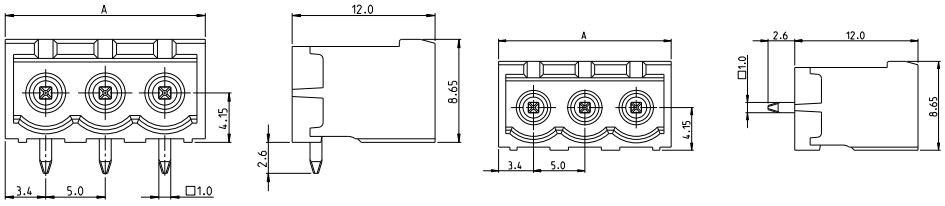
- RoHS Compliant
- **UL approval:** File No. E60677

Note: Parts listed in this document are approved

PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH CLOSED REFLOW HEADER - 5.00 MM PITCH**

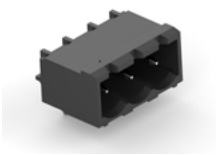


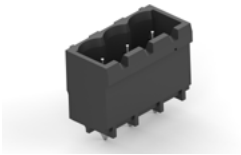


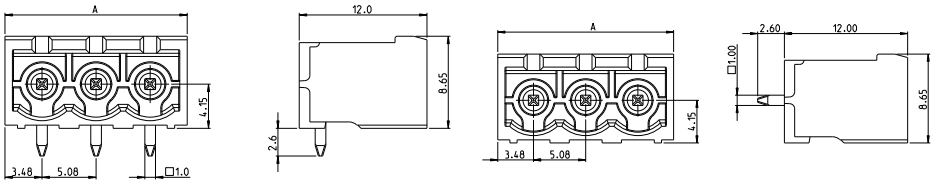


Pitch	Color	Position	Header with Closed ends		
			90°	180°	DIM A
5.00	Black	2	2342079-2	2342082-2	12
		3	2342079-3	2342082-3	17
		4	2342079-4	2342082-4	22
		5	2342079-5	2342082-5	27
		6	2342079-6	2342082-6	32
		7	2342079-7	2342082-7	37
		8	2342079-8	2342082-8	42
		9	2342079-9	2342082-9	47
		10	1-2342079-0	1-2342082-0	52
		11	1-2342079-1	1-2342082-1	57
		12	1-2342079-2	1-2342082-2	62
		13	1-2342079-3	1-2342082-3	67
		14	1-2342079-4	1-2342082-4	72
		15	1-2342079-5	1-2342082-5	77
		16	1-2342079-6	1-2342082-6	82
		17	1-2342079-7	1-2342082-7	87
		18	1-2342079-8	1-2342082-8	92
		19	1-2342079-9	1-2342082-9	97
		20	-	2-2342082-0	102

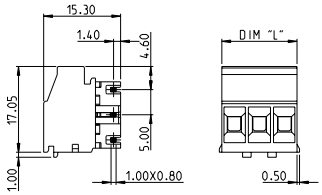
PRODUCT SELECTION INFORMATION – **TWO-PIECE STACKABLE WITH CLOSED REFLOW HEADER - 5.08 MM PITCH**

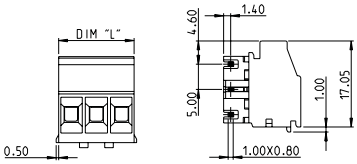






Pitch	Color	Position	Header w/ Closed ends		
			90°	180°	DIM A
5.08	Black	2	2342083-2	2342084-2	11.98
		3	2342083-3	2342084-3	17.06
		4	2342083-4	2342084-4	22.14
		5	2342083-5	2342084-5	27.22
		6	2342083-6	2342084-6	32.3
		7	2342083-7	2342084-7	37.38
		8	2342083-8	2342084-8	42.46
		9	2342083-9	2342084-9	47.54
		10	1-2342083-0	1-2342084-0	52.62
		11	1-2342083-1	1-2342084-1	57.7
		12	1-2342083-2	1-2342084-2	62.78
		13	1-2342083-3	1-2342084-3	67.86
		14	1-2342083-4	1-2342084-4	72.94
		15	1-2342083-5	1-2342084-5	78.02
		16	1-2342083-6	1-2342084-6	83.1
		17	1-2342083-7	1-2342084-7	88.18
		18	1-2342083-8	1-2342084-8	93.26
		19	1-2342083-9	1-2342084-9	98.34
		20	2-2342083-0	2-2342084-0	103.42
		21	2-2342083-1	2-2342084-1	108.5
		22	2-2342083-2	2-2342084-2	113.58
		23	2-2342083-3	2-2342084-3	118.66
		24	2-2342083-4	2-2342084-4	123.74
		25	2-2342083-5	2-2342084-5	128.82





Pitch	Position	Header Part Number		DIM "L"
		Right	Left	
5.00	5.00	2363963-2	2363965-2	9.95
	5.00	2363963-3	2363965-3	14.95

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