

**ALEX**

.118"(3.0mm) Wire-to-Wire Crimp Terminal Housing

Specifications:

- Voltage rating: 250V AC(RMS) or DC
- Dielectric Strength: 1500V AC/minute
- Current rating:

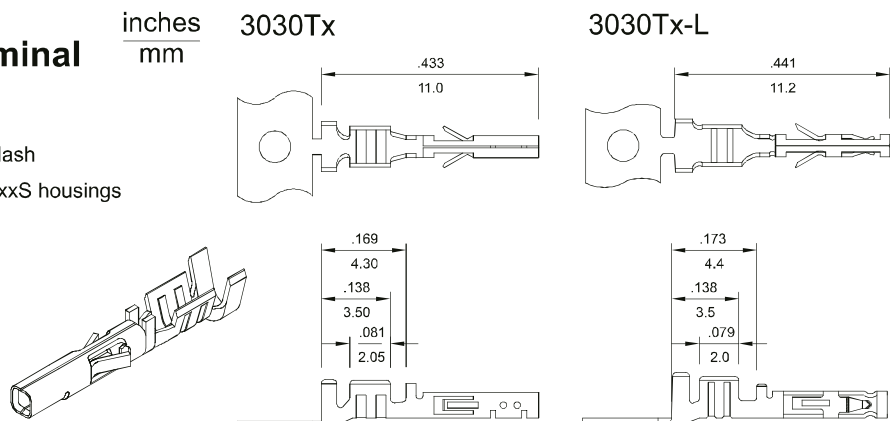
Wire size	# 20	# 22	# 24	# 26	# 28	# 30
Ampere	5 A	5 A	4 A	3 A	2 A	1 A

- Insulation resistance: 1000M Ω Min.
- Contact resistance: 10m Ω Max.
- Temperature rise: 30°C Max.
(carry rated current load)

- UL file No.: E114003
- CSA file No.: LR86545

3030T Female Crimp Terminal

- Material: Phosphor bronze
- Finished: Tin-plated or Gold flash
- Used in ALEX 3025-N, 3025-xxS housings
- Wire range: AWG #20 ~ #30
- Thickness: 0.2mm



Ordering Information

Part No.	Finished	Wire size
3030T1 3030T1-L	Tin-plated	#26 ~ #30 AWG
3030T2 3030T2-L		#20 ~ #24 AWG
3030T1-xGC 3030T1-L-xGC	Gold flash in contact area. Others: Tin-plated	#26 ~ #30 AWG
3030T2-xGC 3030T2-L-xGC		#20 ~ #24 AWG
3030T1-xGF 3030T1-L-xGF	Gold flash	#26 ~ #30 AWG
3030T2-xGF 3030T2-L-xGF		#20 ~ #24 AWG

&& x means the u" of gold flash.

3025-N Series Dual Row Receptacle Housing

- Available in 2 thru 24 circuits
- Material: UL 94V-0 nylon 66
- Standard color: Black
- Accepts ALEX 3030Tx, 3030Tx-L terminals
- Mates with ALEX 3020-N housing
- Mates with ALEX 3045-N, 3046-N, 3047-xx, 3048-xx headers

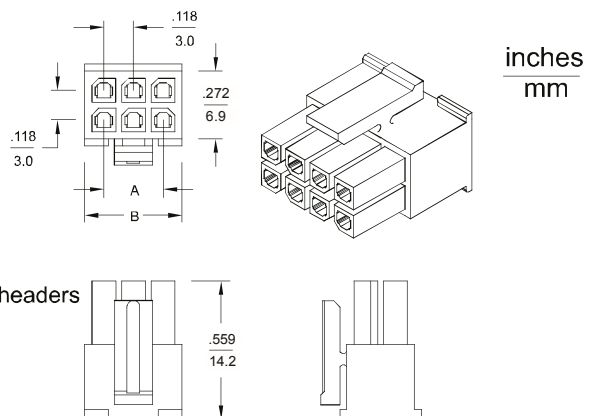
Dimensional Information (mm)

Circuits	Dim. A	Dim. B
N	3 x (N / 2 - 1)	A + 4.25

&& N = 2~24

Ordering Information

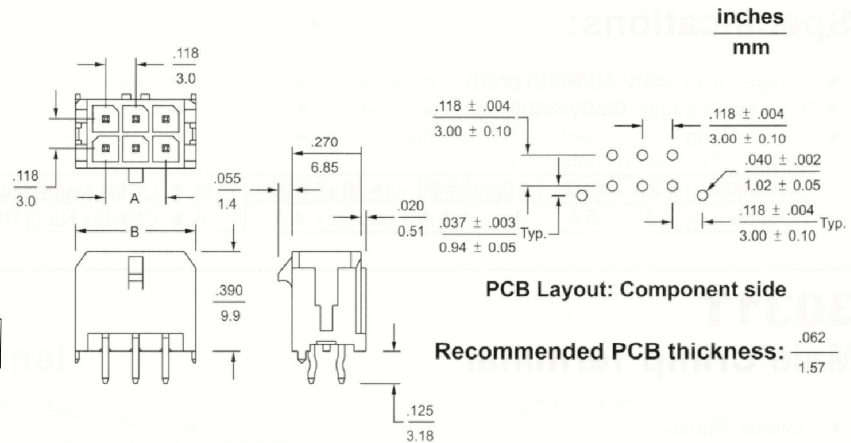
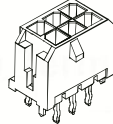
Circuits	Description
02~10	Accepts ALEX 3030Tx, 3030Tx-L
12~24	Accepts ALEX 3030Tx-L



.118"(3.0mm) Dual Row Wire-to-Board Header

3045-N Series Vertical Header

- 2 ~ 24 circuits available
- Material: Nylon 6T
- .0246" (0.625mm) square pin
- Tin-plated brass pin
- Mates with ALEX 3025-N housing

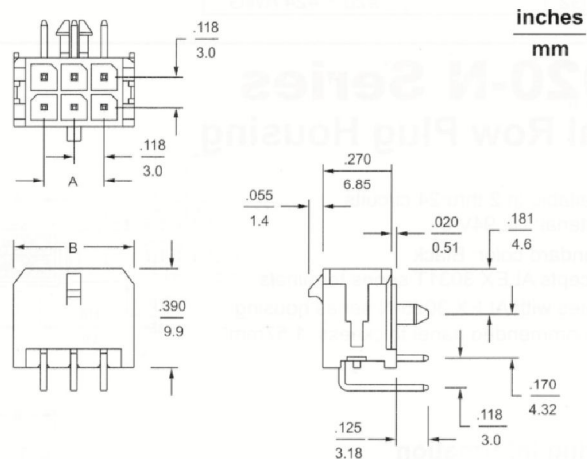
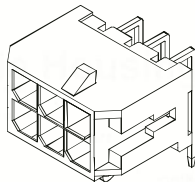


Dimensional Information - in (mm) 3045-N / 3046-N

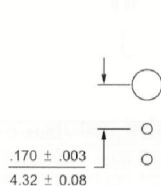
Circuits	Dim. A	Dim. B	Dim. C	Circuits	Dim. A	Dim. B	Dim. C
2		0.262 (6.65)		14	0.709 (18.0)	0.970 (24.65)	0.539 (13.7)
4	0.118 (3.0)	0.380 (9.65)		16	0.827 (21.0)	1.089 (27.65)	0.657 (16.7)
6	0.236 (6.0)	0.498 (12.65)		18	0.945 (24.0)	1.207 (30.65)	0.776 (19.7)
8	0.354 (9.0)	0.616 (15.65)	0.185 (4.7)	20	1.063 (27.0)	1.325 (33.65)	0.894 (22.7)
10	0.472 (12.0)	0.734 (18.65)	0.303 (7.7)	22	1.181 (30.0)	1.443 (36.65)	1.012 (25.7)
12	0.591 (15.0)	0.852 (21.65)	0.421 (10.7)	24	1.299 (33.0)	1.561 (39.65)	1.130 (28.7)

3046-N Series Right Angle Header

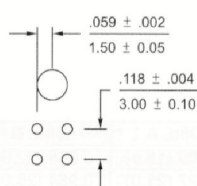
- 2 ~ 24 circuits available
- Material: Nylon 6T
- .0246" (0.625mm) square pin
- Tin-plated brass pin
- Mates with ALEX 3025-N housing



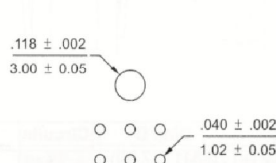
2 circuit



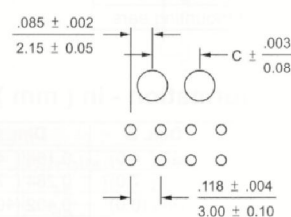
4 circuit



6 circuit



8 ~ 24 circuit



PCB Layout

**ALEX**

.118"(3.0mm) Dual Row Vertical Header, SMT

3047-xx Series Vertical Header, SMT

inches
mm

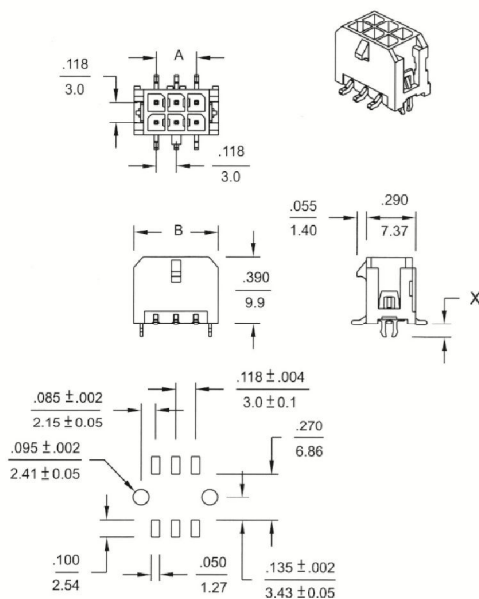
- 2 ~ 24 circuits available
- Plastic material: LCP
- Contact: Tin-plated brass pin
- Mates with ALEX 3025-N housing
- Recommended PCB thickness: .062"(1.57mm)

Ordering Information

Part No.	Feature	Dim. X
3047-xxRC-1	With solderable retention clip	2.0
3047-xxRC-2		3.2
3047-xxFN	With solderable fitting nail	

&& xx = 02 ~ 24

3047-xxRC

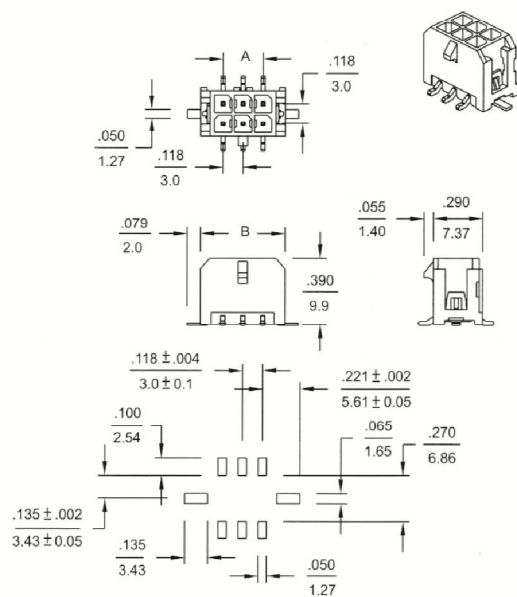


PCB Layout: Component side

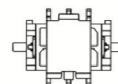


Shown with disposable cap

3047-xxFN



PCB Layout: Component side



Shown with disposable cap

Dimensional Information - in (mm)

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2		0.262 (6.65)	10	0.472 (12.0)	0.734 (18.65)	18	0.945 (24.0)	1.206 (30.65)
4	0.118 (3.0)	0.380 (9.65)	12	0.591 (15.0)	0.852 (21.65)	20	1.063 (27.0)	1.325 (33.65)
6	0.236 (6.0)	0.498 (12.65)	14	0.709 (18.0)	0.970 (24.65)	22	1.181 (30.0)	1.443 (36.65)
8	0.354 (9.0)	0.616 (15.65)	16	0.827 (21.0)	1.088 (27.65)	24	1.299 (33.0)	1.561 (39.65)

**ALEX**

.118"(3.0mm) Vertical Header

Specifications:

- Voltage rating: 250V AC(RMS) or DC
- Dielectric Strength: 1500V AC/minute
- Current rating:

Wire size	# 20	# 22	# 24	# 26	# 28	# 30
Ampere	5 A	5 A	4 A	3 A	2 A	1 A

- Insulation resistance: 1000M Ω Min.
- Contact resistance: 10m Ω Max.
- Temperature rise: 30°C Max.

(carry rated current load)

3047-xxRC-x-P-dip Series Vertical Header

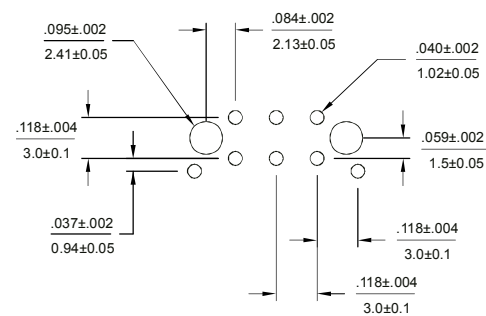
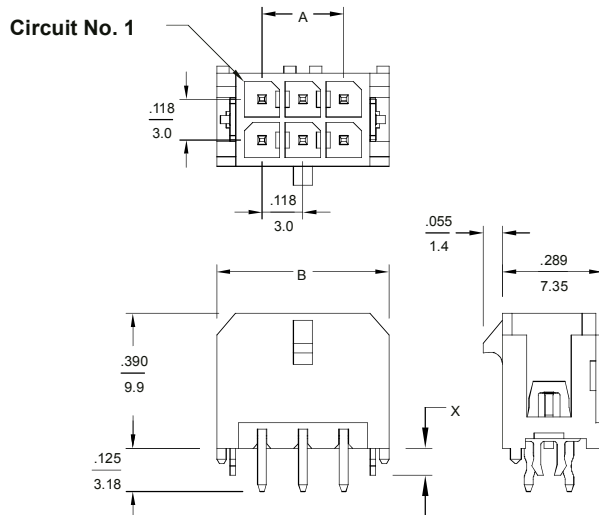
inches
mm

- 2 ~ 24 circuits available
- Plastic material: LCP
- Pin material: Brass
- .025"(0.64mm) square pin
- Mates with ALEX 3025-N housing
(With ALEX 3030Tx-L terminal)
- With solderable retention clip

Ordering & Dimensional Information (mm)

Part No.	Finished	Dim. X
3047-xxRC-1-P-dip	Tin-plated	2.0
3047-xxRC-2-P-dip		3.2
3047-xxRC-1-P-dip-xGF	Gold-flash	2.0
3047-xxRC-2-P-dip-xGF		3.2

&& xx = 02 ~ 24, x means the u" of gold flash.



PCB Layout: Component side

Recommended PCB thickness:.062"(1.57mm)

Dimensional Information - in (mm)

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2		0.262 (6.65)	10	0.472 (12.0)	0.734 (18.65)	18	0.945 (24.0)	1.206 (30.65)
4	0.118 (3.0)	0.380 (9.65)	12	0.591 (15.0)	0.852 (21.65)	20	1.063 (27.0)	1.325 (33.65)
6	0.236 (6.0)	0.498 (12.65)	14	0.709 (18.0)	0.970 (24.65)	22	1.181 (30.0)	1.443 (36.65)
8	0.354 (9.0)	0.616 (15.65)	16	0.827 (21.0)	1.088 (27.65)	24	1.299 (33.0)	1.561 (39.65)

**ALEX**

.118"(3.0mm) Dual Row Right Angle Header, SMT

3048-xx Series Right Angle Header, SMT

inches
mm

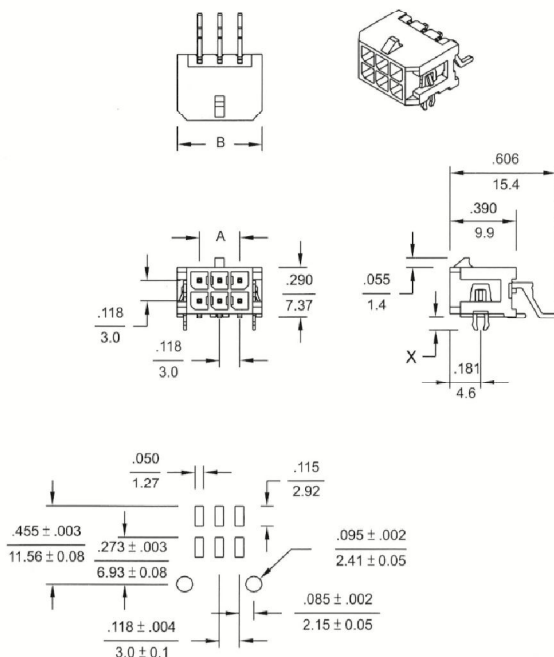
- 2 ~ 24 circuits available
- Plastic material: LCP
- Contact: Tin-plated brass pin
- Mates with ALEX 3025-N housing
- Recommended PCB thickness: .062"(1.57mm)

Ordering Information

Part No.	Feature	Dim. X
3048-xxRC-1	With solderable retention clip	2.0
3048-xxRC-2		3.2
3048-xxFN	With solderable fitting nail	

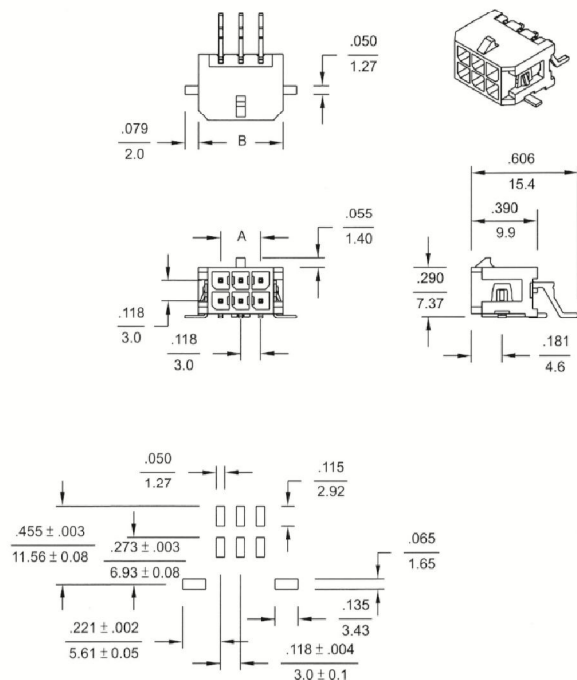
&& xx = 02 ~ 24

3048-xxRC



PCB Layout: Component side

3048-xxFN



PCB Layout: Component side

Dimensional Information - in (mm)

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2		0.262 (6.65)	10	0.472 (12.0)	0.734 (18.65)	18	0.945 (24.0)	1.206 (30.65)
4	0.118 (3.0)	0.380 (9.65)	12	0.591 (15.0)	0.852 (21.65)	20	1.063 (27.0)	1.325 (33.65)
6	0.236 (6.0)	0.498 (12.65)	14	0.709 (18.0)	0.970 (24.65)	22	1.181 (30.0)	1.443 (36.65)
8	0.354 (9.0)	0.616 (15.65)	16	0.827 (21.0)	1.088 (27.65)	24	1.299 (33.0)	1.561 (39.65)