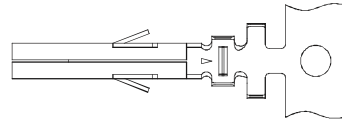


**ALEX**

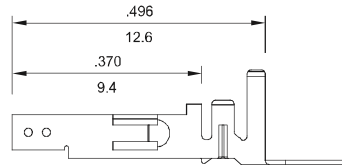
.165" (4.2mm) Crimp Terminal Housing

4256TP2-A Crimp Terminal

- Material: Phosphor bronze
- Finished: Tin-plated
- Wire range: #22 ~ #24 AWG
- Used in ALEX 9357-06-B, 9357-06-BR
9357-08-B, 9357-08-BR housings



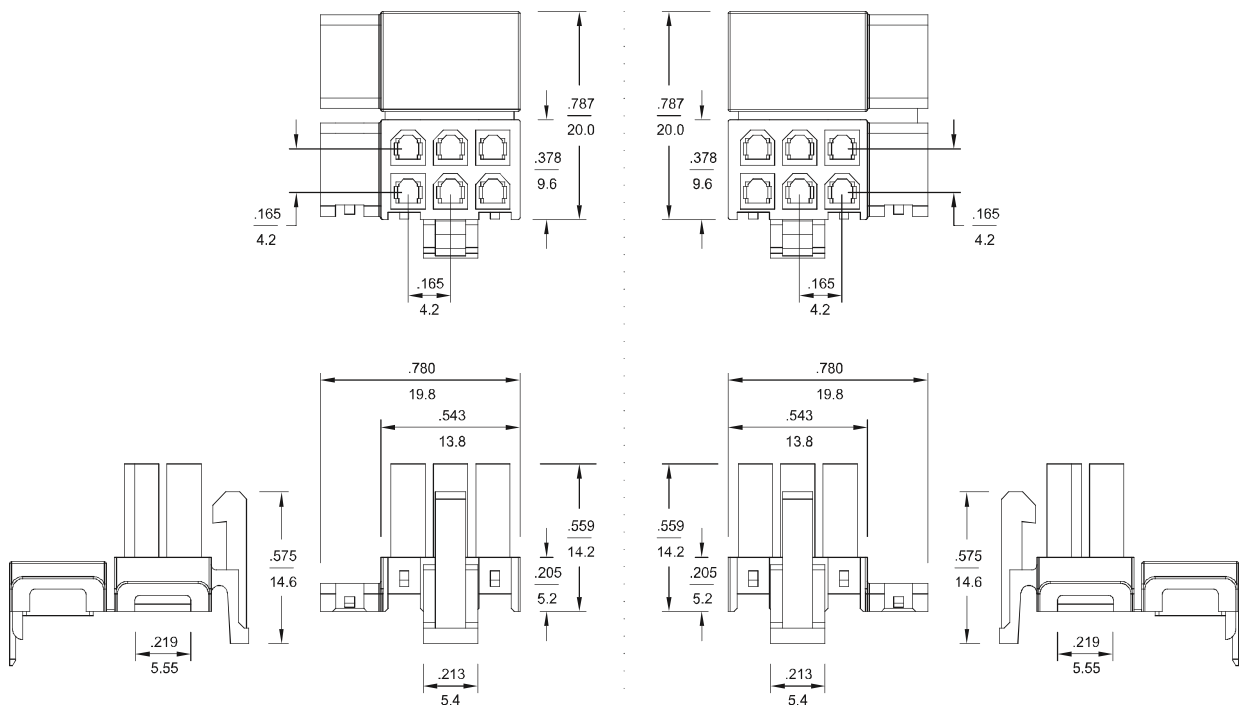
inches
mm



9357-06-B Series Crimp Terminal Housing

inches
mm

- Material: UL 94V-0 nylon 66
- Accepts ALEX 4256TP2-A terminal
- Mates with ALEX 9358-06, 9362-06 housings, 9359-06, 9360-06, 9363-06, 9364-06 headers
- Standard color: Black

9357-06-B**9357-06-BR**

**ALEX**

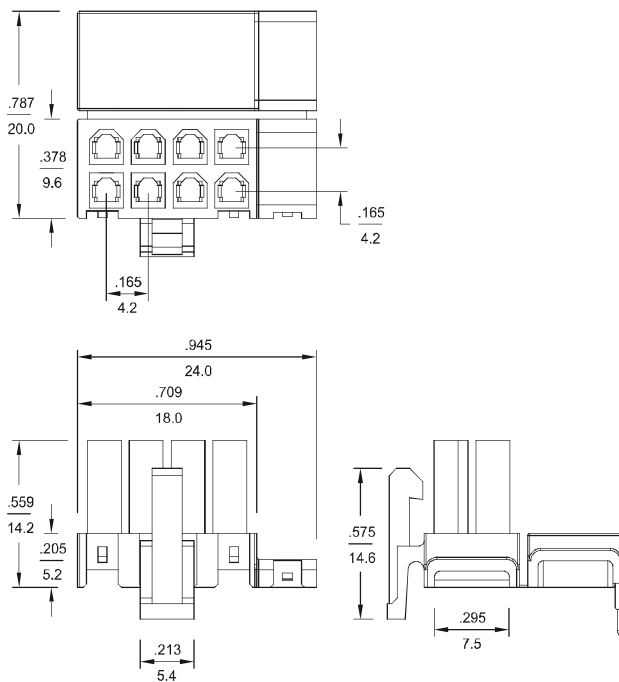
.0165"(4.2mm) Crimp Terminal Housing

9357-08-B Series Crimp Terminal Housing

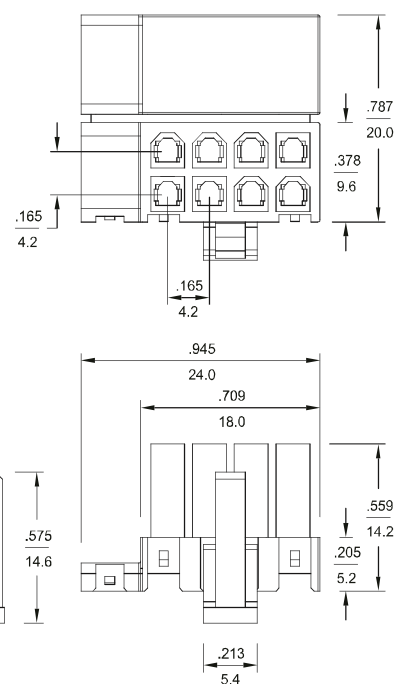
inches
mm

- Material: UL 94V-0 nylon 66
- Accepts ALEX 4256TP2-A terminal
- Mates with ALEX 9358-08, 9362-08 housings, 9359-08, 9360-08, 9363-08, 9364-08 headers
- Standard color: Black

9357-08-BR



9357-08-B

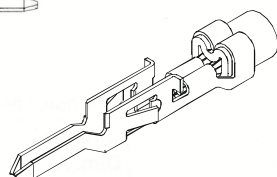
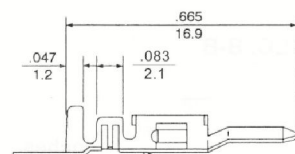
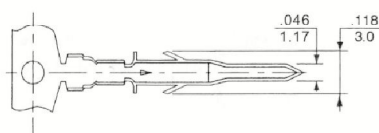


**ALEX**

High Current/High Density Power Connector System

The power Connector series is designed for high current / high density applications which require the design flexibility of wire to wire and wire to board configurations in the interconnection system. The power connector system is appropriate for both power and signal applications as it can carry currents of up to 9 amperes per circuit.

4257T Series Crimp Terminal



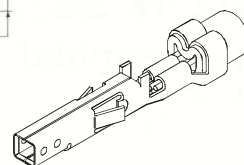
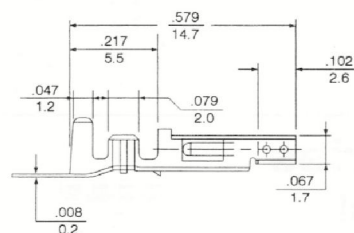
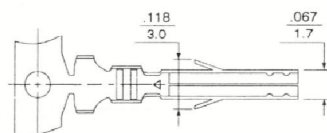
Specifications:

● Electrical:

Voltage Rating: 600V (R.M.S.)
Contact Resistance: 10mΩ max.
Dielectric strength: 1500V AC

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

4256T Series Crimp Terminal



inches
mm

● Mechanical:

Temperature Rise: (Carrying rated current load) 30°C max.

Ordering & Dimensional Information:

Part No.	Wire Size (AWG)	Max. Ins. Dia. (mm)	Material	Thickness (mm)	Finish	Chain Type
4256T1	#22 ~ #28	1.8	Brass	0.2	Tin-plated	End Chain
4256T2	#18 ~ #24	3.1				
4256T3	#16					
4256TP1	#22 ~ #28	1.8	Phosphor Bronze			
4256TP2	#18 ~ #24	3.1				
4256TP3	#16					
4257T1	#22 ~ #28	1.8	Brass			
4257T2	#18 ~ #24	3.1				
4257T3	#16					

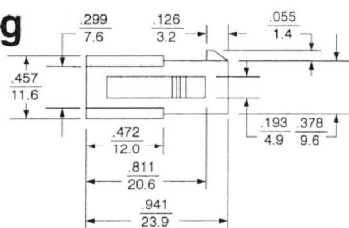
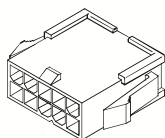


ALEX

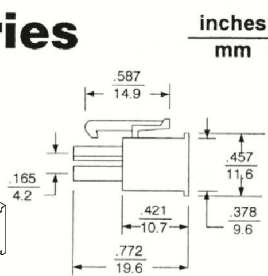
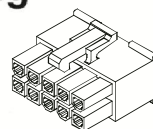
High Current / High Density .165" (4.2mm) Housings

- UL 94V-2 nylon 66
- Available in 2 to 24 circuit
- Insulation Resistance: 1000MΩ min.
- Dielectric strength: 1500V AC
- Positive housing locks
- Fully isolated terminals
- Low engagement force terminals
- Wire to wire
- Wire to board (vertical header)
- Wire to board (right angle header)

9358-N Series Plug Housing



9357-N Series Receptacle Housing



Circuits	Dimensional Information	
	Plug	Receptacle
2	9358-02E 9358-02 (W/O Mtg. Ears) Circuit No. 1	9357-02 Circuit No. 1
4	9358-04E 9358-04 (W/O Mtg. Ears) Circuit No. 3 Circuit No. 1	9357-04 Circuit No. 3 Circuit No. 1
6	9358-06E 9358-06 (W/O Mtg. Ears) Circuit No. 4 Circuit No. 1	9357-06 Circuit No. 4 Circuit No. 1
8	9358-08E 9358-08 (W/O Mtg. Ears) Circuit No. 5 Circuit No. 1	9357-08 Circuit No. 5 Circuit No. 1



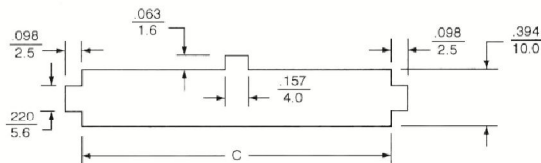
ALEX

Circuits	Dimensional Information	
	Plug	Receptacle
10	9358-10E 9358-10 (W/O Mtg. Ears)	9357-10
12	9358-12E 9358-12 (W/O Mtg. Ears)	9357-12
14	9358-14E 9358-14 (W/O Mtg. Ears)	9357-14
16	9358-16E 9358-16 (W/O Mtg. Ears)	9357-16
18	9358-18E 9358-18 (W/O Mtg. Ears)	9357-18
20	9358-20E 9358-20 (W/O Mtg. Ears)	9357-20



ALEX

Circuits	Dimensional Information	
	Plug	Receptacle
22	9358-22E 9358-22 (W/O Mtg. Ears) 	9357-22
24	9358-24E 9358-24 (W/O Mtg. Ears) 	9357-24



Mounting Hole Details for 9358-N Housing (Dual Row)
Max. Panel Thickness: 2.54mm

Dimensional Information - in. (mm)

Circuits	Dim. A	Dim. B	Dim. C	Circuits	Dim. A	Dim. B	Dim. C
2		.213 (5.4)	.228 (5.8)	14	.992 (25.2)	1.205 (30.6)	1.220 (31.0)
4	.165 (4.2)	.378 (9.6)	.394 (10.0)	16	1.157 (29.4)	1.370 (34.8)	1.386 (35.2)
6	.331 (8.4)	.543 (13.8)	.559 (14.2)	18	1.323 (33.6)	1.535 (39.0)	1.551 (39.4)
8	.496 (12.6)	.709 (18.0)	.724 (18.4)	20	1.488 (37.8)	1.701 (43.2)	1.717 (43.6)
10	.681 (16.8)	.874 (22.2)	.890 (22.6)	22	1.654 (42.0)	1.866 (47.4)	1.882 (47.8)
12	.827 (21.0)	1.039 (26.4)	1.055 (26.8)	24	1.819 (46.2)	2.031 (51.6)	2.047 (52.0)

• Current Rating & Wire Size:

Wire Size AWG	Rated Voltage	Circuits			
		2	4 ~ 6	8 ~ 10	12 ~ 24
# 18	250V	9A	8A	7A	6A
# 20		7A	6A	5A	5A
# 22		5A	4A	4A	4A
# 24		4A	3A	3A	3A



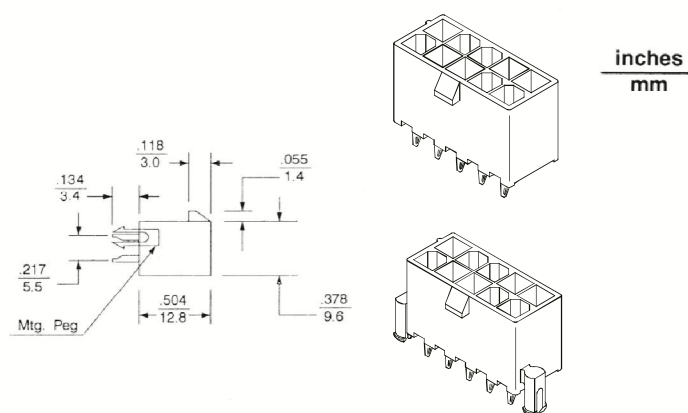
ALEX

.165" (4.2mm) Power Connector System

9359-N Series

Vertical Header

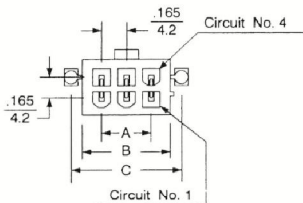
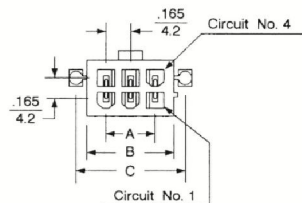
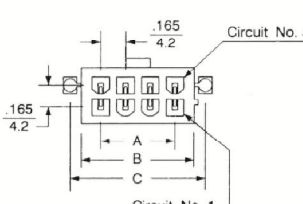
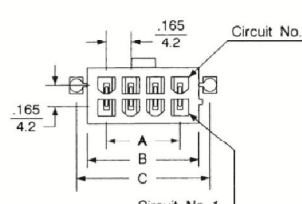
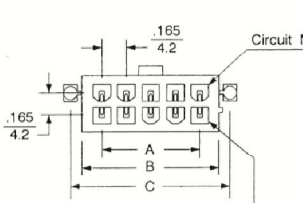
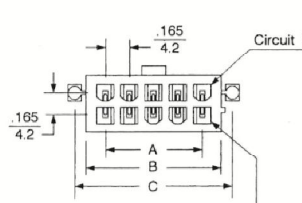
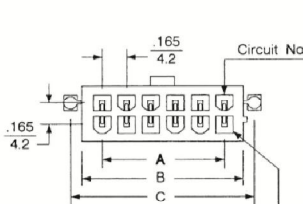
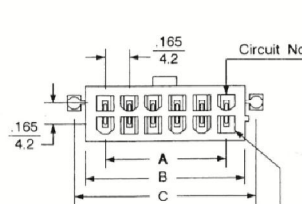
- Available in 2 to 24 circuits
- Terminal: Tin-plated
- Housing: UL 94V-2 nylon 66
- Positive housing locks
- With or without mounting pegs
- With or without drain holes
- Mate with Alex 9357 series housing
- Dielectric Withstanding Voltage: 1500V AC/minute
- Ambient Temperature Range: -40°C ~ 105°C
- UL File No.: E114003
- CSA File No.: LR86545



Circuits	Dimensional Information	
	Vertical Header (Without Drain Holes)	Vertical Header (With Drain Holes)
2	9359-02P 9359-02 (W/O Mtg. Pegs) Circuit No. 1	9359-02DP 9359-02D (W/O Mtg. Pegs) Circuit No. 1
4	9359-04P 9359-04 (W/O Mtg. Pegs) Circuit No. 1	9359-04DP 9359-04D (W/O Mtg. Pegs) Circuit No. 1

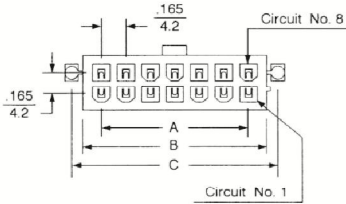
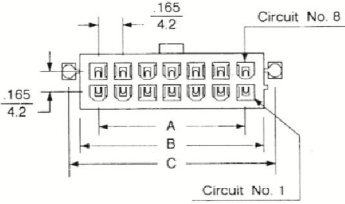
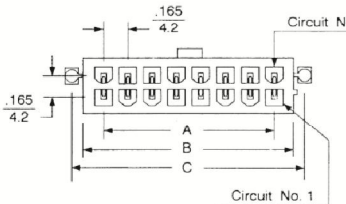
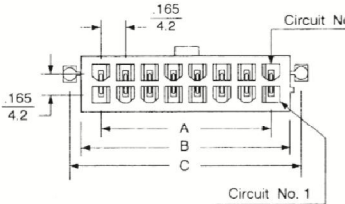
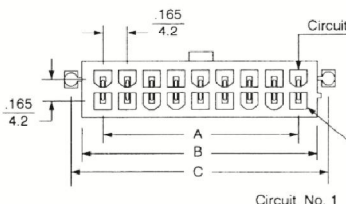
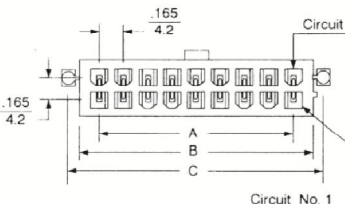
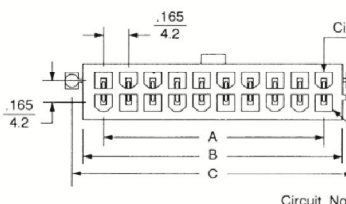
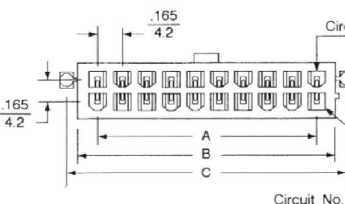
**ALEX**

.165" (4.2mm) Power Connector System

Circuits	Dimensional Information	
	Vertical Header (Without Drain Holes)	Vertical Header (With Drain Holes)
6	9359-06P 9359-06 (W/O Mtg. Pegs) 	9359-06DP 9359-06D (W/O Mtg. Pegs) 
8	9359-08P 9359-08 (W/O Mtg. Pegs) 	9359-08DP 9359-08D (W/O Mtg. Pegs) 
10	9359-10P 9359-10 (W/O Mtg. Pegs) 	9359-10DP 9359-10D (W/O Mtg. Pegs) 
12	9359-12P 9359-12 (W/O Mtg. Pegs) 	9359-12DP 9359-12D (W/O Mtg. Pegs) 

**ALEX**

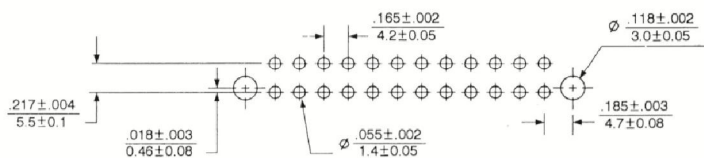
.165" (4.2mm) Power Connector System

Circuits	Dimensional Information	
	Vertical Header (Without Drain Holes)	Vertical Header (With Drain Holes)
14	9359-14P 9359-14 (W/O Mtg. Pegs) 	9359-14DP 9359-14D (W/O Mtg. Pegs) 
16	9359-16P 9359-16 (W/O Mtg. Pegs) 	9359-16DP 9359-16D (W/O Mtg. Pegs) 
18	9359-18P 9359-18 (W/O Mtg. Pegs) 	9359-18DP 9359-18D (W/O Mtg. Pegs) 
20	9359-20P 9359-20 (W/O Mtg. Pegs) 	9359-20DP 9359-20D (W/O Mtg. Pegs) 

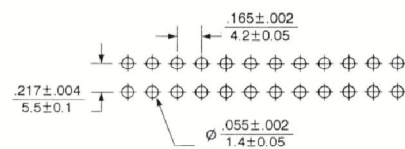
**ALEX**

.165" (4.2mm) Power Connector System

Circuits	Dimensional Information	
	Vertical Header (Without Drain Holes)	Vertical Header (With Drain Holes)
22	9359-22P 9359-22 (W/O Mtg. Pegs)	9359-22DP 9359-22D (W/O Mtg. Pegs)
24	9359-24P 9359-24 (W/O Mtg. Pegs)	9359-24DP 9359-24D (W/O Mtg. Pegs)



Vertical Header with Pegs
P.C.B. Dimensions



Vertical Header without Pegs
P.C.B. Dimensions

Dimensional Information - in. (mm)

Circuits	Dim. A	Dim. B	Dim. C	Circuits	Dim. A	Dim. B	Dim. C
2		.213 (5.4)	.370 (9.4)	14	.992 (25.2)	1.205 (30.6)	1.362 (34.6)
4	.165 (4.2)	.378 (9.6)	.535 (13.6)	16	1.157 (29.4)	1.370 (34.8)	1.528 (38.8)
6	.331 (8.4)	.543 (13.8)	.701 (17.8)	18	1.323 (33.6)	1.535 (39.0)	1.693 (43.0)
8	.496 (12.6)	.709 (18.0)	.866 (22.0)	20	1.488 (37.8)	1.701 (43.2)	1.858 (47.2)
10	.681 (16.8)	.874 (22.2)	1.031 (26.2)	22	1.654 (42.0)	1.866 (47.4)	2.024 (51.4)
12	.827 (21.0)	1.039 (26.4)	1.197 (30.4)	24	1.819 (46.2)	2.031 (51.6)	2.189 (55.6)

Ordering Information

Part No.	Features
9359-xx	Without Drain Holes and Mtg. Pegs
9359-xxP	Without Drain Holes but with Mtg. Pegs
9359-xxD	With Drain Holes but without Mtg. Pegs
9359-xxDP	With Drain Holes and Mtg. Pegs

Replace "xx" with number of circuits, 02~24



ALEX

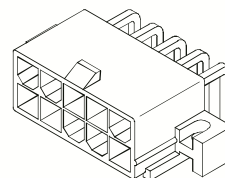
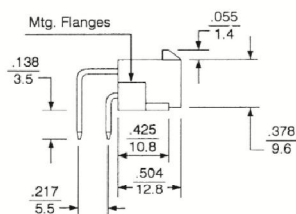
.165" (4.2mm) Power Connector System

9360 -N Series

Right Angle Header

- Available in 2 to 24 circuits
- .045" (1.14mm) square wire pin
- Material: UL 94V-2 nylon 66
- Positive housing locks
- With or without mounting flanges
- Mate with Alex 9357 series housing
- Dielectric Withstanding Voltage: 1500V AC/minute
- Ambient Temperature Range: -40°C ~ 105°C
- UL File No.: E114003
- CSA File No.: LR86545

inches
mm



Circuits	Dimensional Information	
	Right Angle Header (W/Mtg. Flanges)	Right Angle Header (W/O Mtg. Flanges)
2	9360-02F Circuit No.1	9360-02 (W/O Mtg. Flanges) Circuit No.1
4	9360-04F Circuit No.1	9360-04 (W/O Mtg. Flanges) Circuit No.1

**ALEX**

.165" (4.2mm) Power Connector System

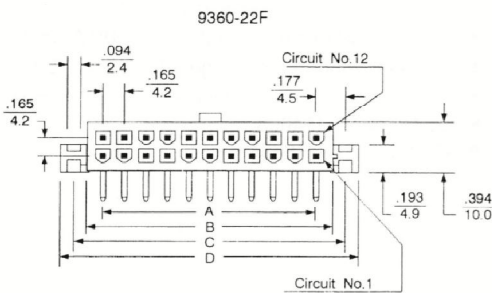
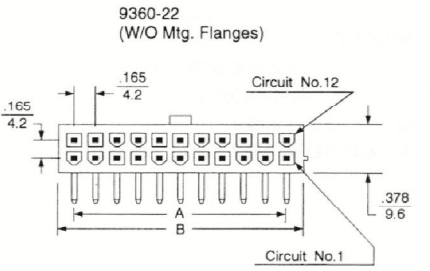
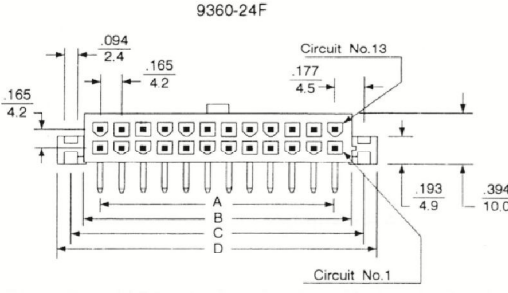
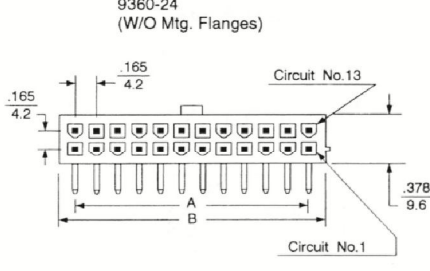
Circuits	Dimensional Information	
	Right Angle Header (W/Mtg. Flanges)	Right Angle Header (W/O Mtg. Flanges)
6		
8		
10		
12		

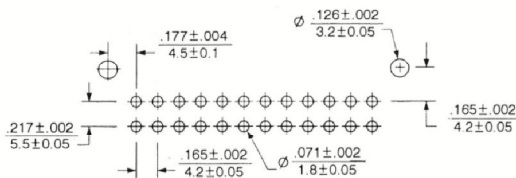
.165" (4.2mm) Power Connector System

Circuits	Dimensional Information	
	Right Angle Header (W/Mtg. Flanges)	Right Angle Header (W/O Mtg. Flanges)
14	9360-14F	9360-14 (W/O Mtg. Flanges)
16	9360-16F	9360-16 (W/O Mtg. Flanges)
18	9360-18F	9360-18 (W/O Mtg. Flanges)
20	9360-20F	9360-20 (W/O Mtg. Flanges)

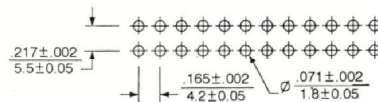
**ALEX**

.165" (4.2mm) Power Connector System

Circuits	Dimensional Information	
	Right Angle Header (W/Mtg. Flanges)	Right Angle Header (W/O Mtg. Flanges)
22		
24		



Right Angle Header with Flanges
P.C.B. Hole Dimensions



Right Angle Header without Flanges
P.C.B. Hole Dimensions

Dimensional Information - in. (mm)

Circuits	Dim. A	Dim. B	Dim. C	Dim. D	Circuits	Dim. A	Dim. B	Dim. C	Dim. D
2		.213 (5.4)	.354 (9.0)	.606 (15.4)	14	.992 (25.2)	1.205 (30.6)	1.346 (34.2)	1.598 (40.6)
4	.165 (4.2)	.378 (9.6)	.520 (13.2)	.772 (19.6)	16	1.157 (29.4)	1.370 (34.8)	1.512 (38.4)	1.764 (44.8)
6	.331 (8.4)	.543 (13.8)	.685 (17.4)	.937 (23.8)	18	1.323 (33.6)	1.535 (39.0)	1.677 (42.6)	1.929 (49.0)
8	.496 (12.6)	.709 (18.0)	.850 (21.6)	1.102 (28.0)	20	1.488 (37.8)	1.701 (43.2)	1.843 (46.8)	2.094 (53.2)
10	.681 (16.8)	.874 (22.2)	1.016 (25.8)	1.268 (32.2)	22	1.654 (42.0)	1.866 (47.4)	2.008 (51.0)	2.260 (57.4)
12	.827 (21.0)	1.039 (26.4)	1.181 (30.0)	1.433 (36.4)	24	1.819 (46.2)	2.031 (51.6)	2.173 (55.2)	2.425 (61.6)

Ordering Information

Part No.	Features
9360-xx	Without Mtg. Flanges
9360-xxF	With Mtg. Flanges

Replace "xx" with number of circuits, 02-24

**ALEX**

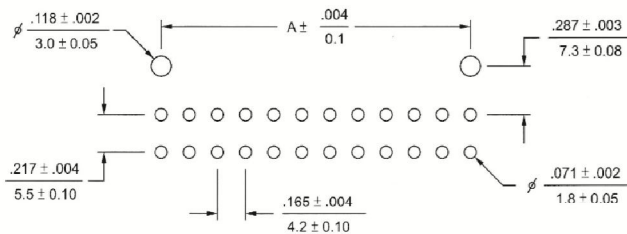
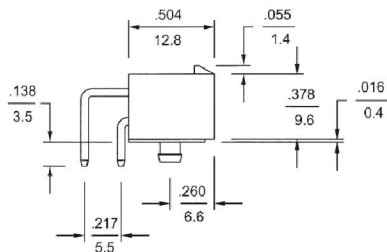
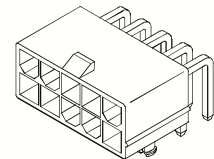
.165"(4.2mm) Power Connector System

9360-xxP Series Right Angle Header

- Available in 2 to 24 circuits
- .045"(1.14mm) square wire pin
- Material: UL 94V-2 nylon 66
- Positive housing locks
- Mates with ALEX 9357 series housing

- Dielectric withstanding voltage: 1500V AC/minute
- Ambient temperature range: -40 °C ~ 105 °C
- Recommended P.C.B. thickness: 1.78mm max.
- UL file No.: E114003
- CSA file No.: LR86545

inches
mm



$$A = (\text{Number of circuits} / 2 - 1) \times 4.2$$

PCB LAYOUT: COMPONENT SIDE

Circuits	Dimensional Information	Circuits	Dimensional Information
2	9360-02P 	4	9360-04P
6	9360-06P 	8	9360-08P



ALEX

.165"(4.2mm) Power Connector System

Circuits	Dimensional Information	Circuits	Dimensional Information
10	9360-10P	12	9360-12P
14	9360-14P	16	9360-16P
18	9360-18P	20	9360-20P
22	9360-22P	24	9360-24P

**ALEX**

.165"(4.2mm) Crimp Terminal Housing

Specifications:

- Voltage rating: 600V AC, DC (R.M.S.)
- Insulation resistance: DC 500V 1000M Ω Min.
- Dielectric withstanding voltage: 1500V AC/minute
- Ambient temperature range: -40°C ~ 105°C
(including temperature rise)
- UL file No. : E114003

- Current rating and wire size:

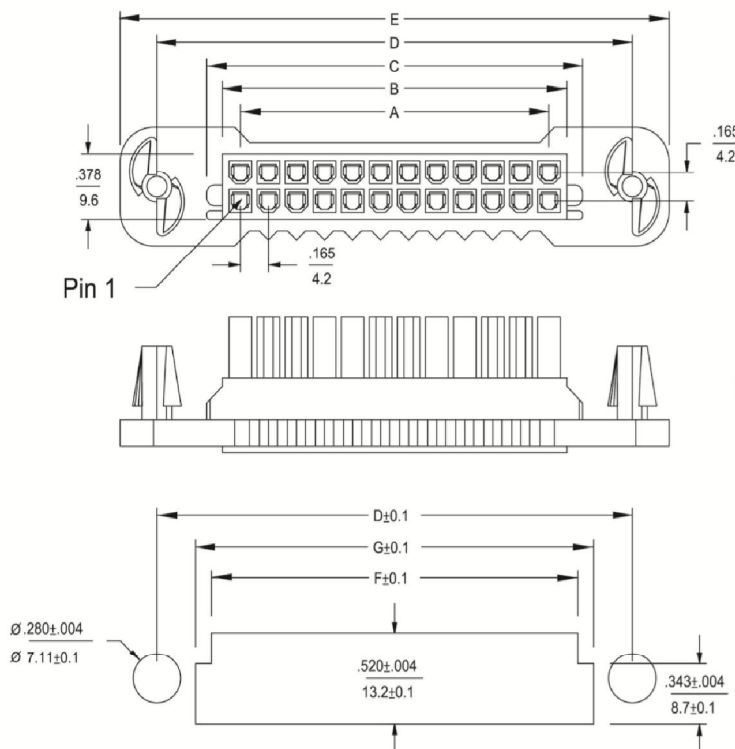
Maximum current rating (Amperes)				
Ckt Size Ampere Wire	2	4, 6	8, 10	12~24
AWG #16	9	8	7	6
AWG #18	7	6	5	4
AWG #20	6	5	4	4
AWG #22	5	4	4	4
AWG #24	4	3	3	3
AWG #26	2	1	1	1
AWG #28	1	1	1	1

9361-xx Series Crimp Terminal Housing

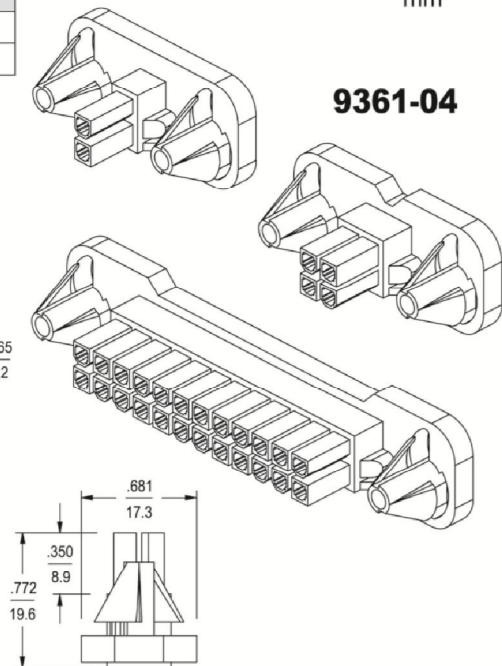
Ordering Information

Part No.	Material
9361-xx	UL 94V-2
9361-xxV0	UL 94V-0

- 2 ~ 24 circuits available
- Accepts ALEX 4256T terminal
- Mates with ALEX 9358-N, 9362-N housings
- Mates with ALEX 9363-N, 9364-N headers



**Recommended Panel Cut-out for 1.27± 0.3mm
thickness panel**

9361-02inches
mm**9361-04**

Dimensional Information (mm)

Circuit	N
Dim. A	4.2 x (N / 2 - 1)
Dim. B	4.2 x (N / 2) + 1.2
Dim. C	4.2 x (N / 2) + 5.9
Dim. D	4.2 x (N / 2) + 20.8
Dim. E	4.2 x (N / 2) + 31.8
Dim. F	4.2 x (N / 2) + 4.5
Dim. G	4.2 x (N / 2) + 9.2

& N = 2 ~ 24

**ALEX**

.165"(4.2mm) Pitch Wire-to-Board Connector Vertical Header

9363-xx Series

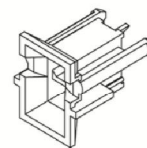
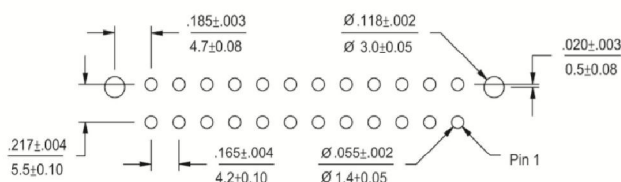
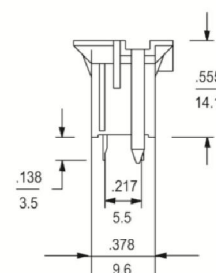
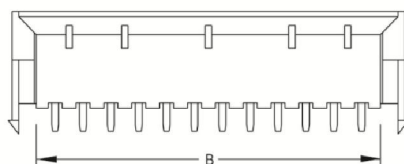
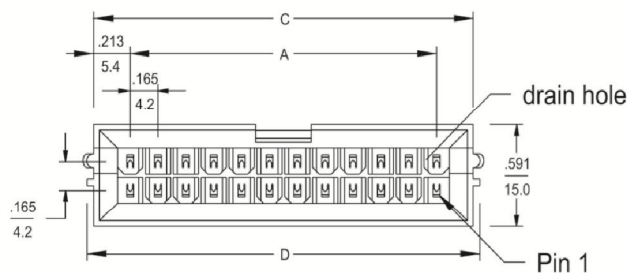
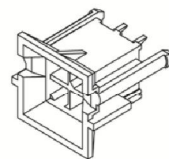
Vertical Header

inches
mm

- 2 ~ 24 circuits available
- Tin-plated brass
- Mates with ALEX 9357-N, 9361-N housings

Ordering Information

Part No.	Feature	Material
9363-xxD	With drain holes	UL 94V-2
9363-xxDV0		UL 94V-0
9363-xx	Without drain holes	UL 94V-2
9363-xxV0		UL 94V-0

9363-02**9363-04**

**Recommended hole layout for .070"(1.78mm)
Max. thickness P. C. board**

Dimensional Information (mm)

Dim	Circuit N
Dim. A	$4.2 \times (N / 2 - 1)$
Dim. B	$4.2 \times (N / 2) + 1.2$
Dim. C	$4.2 \times (N / 2) + 6.6$
Dim. D	$4.2 \times (N / 2) + 9.0$

& N = 2 ~ 24

**ALEX**

.165"(4.2mm) Right Angle Header

9364-xx Series

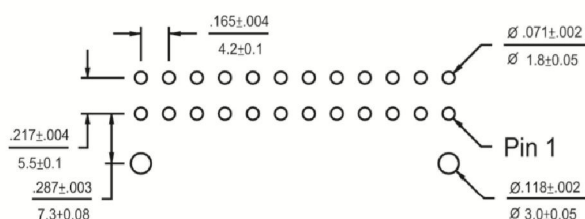
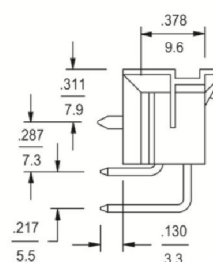
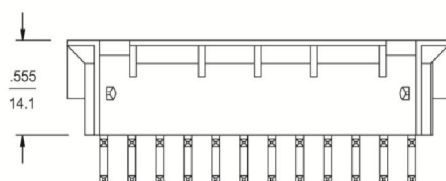
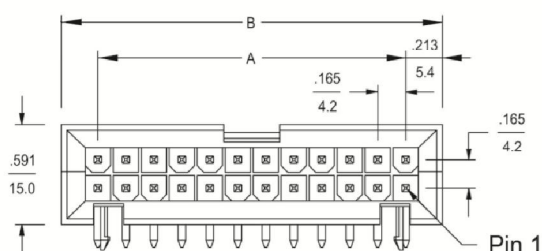
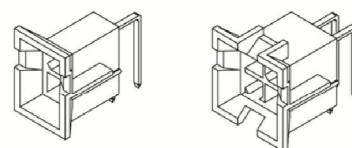
Right Angle Header

inches
mm

- 2 ~ 24 circuits available
- .045"(1.14mm) square pin
- Tin-plated brass
- Mates with ALEX 9357-N, 9361-N housings

Ordering Information

Part No.	Material
9364-xx	UL 94V-2
9364-xxV0	UL 94V-0

9364-02**9364-04**

P. C. board hole dimension
Thick.: .070"(1.78mm) Max.

Dimensional Information (mm)

Dim	Circuit N
Dim. A	$4.2 \times (N / 2 - 1)$
Dim. B	$4.2 \times (N / 2) + 6.6$

&& N = 2 ~ 24

**ALEX**

.165"(4.2mm) Vertical Header

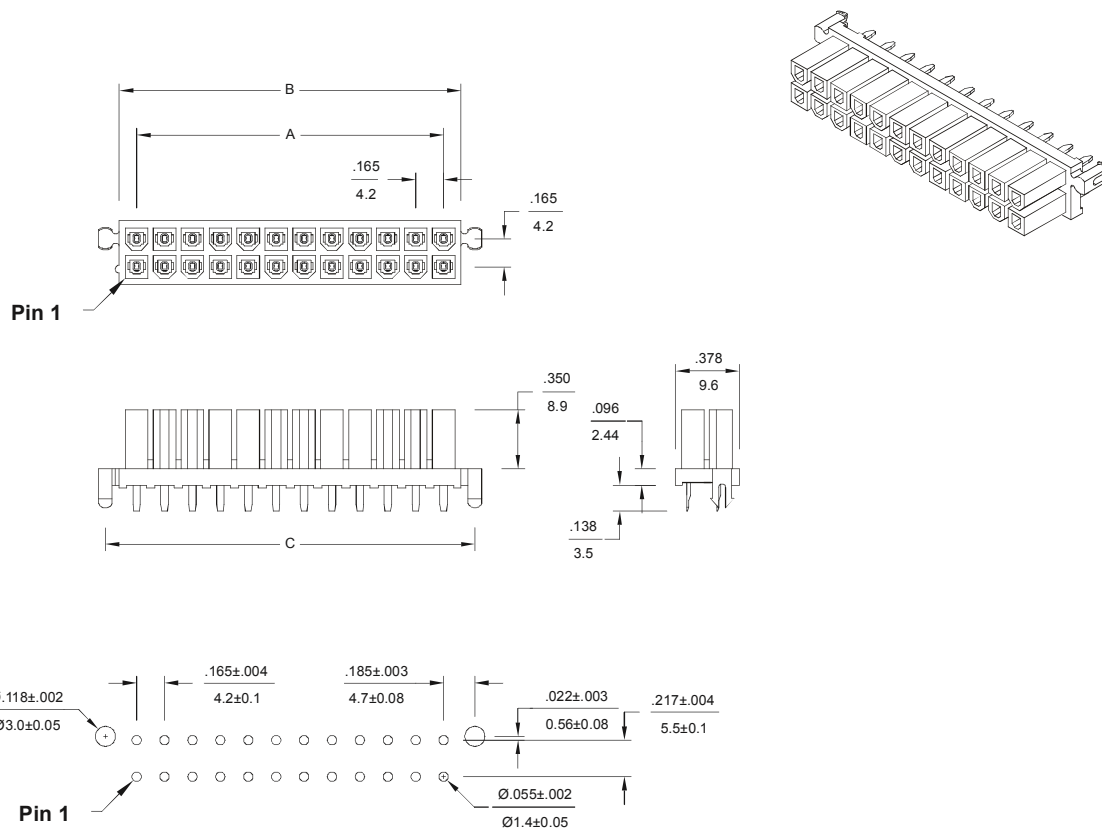
9365-xx Series Vertical Header

inches
mm

- 2 ~ 24 circuits available
- Tin-plated brass pin
- Mates with ALEX 9358, 9362 housings

Ordering Information

Part No.	Material
9365-xx	UL 94V-2
9365-xxV0	UL 94V-0



P. C. board hole dimension
Thick.: .070"(1.78mm) Max.

Dimensional Information (mm)

Circuit	N
Dim	
Dim. A	$4.2 \times (N / 2 - 1)$
Dim. B	A + 5.4
Dim. C	A + 9.4

& N = 2 ~ 24