tyco
Electronics

Box .075 [1.91] and .100 [2.54]
Centerline Connectors

AMP

Keying Hardware — MIL-C-55302 Qualified

External Keys

Receptacle Key
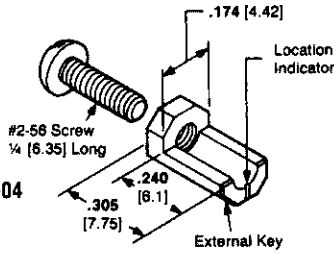For use with Receptacles
Kit Part Number 530341-3
Kit includes 2 each of the following:
Keys, passivated stainless steel
Part Number 530341-1
Military Part Number M55302/31-04
Screws, #2-56 .250 [6.35] long

.174 [4.42]
Location Indicator
#2-56 Screw ¼ [6.35] Long
.240 [6.1]
.305 [7.75]
External Key

Pin Header Key
For use with 2-row Straddle Mount Pin Headers
Kit Part Number 530341-4'
Kit includes 2 each of the following:
Keys, passivated stainless steel
Part Number 530341-1
Military Part Number M55302/31-04
Rivets, nickel plated brass
Part Number 530347-1
Military Part Number M55302/31-05

Rivet
.174 [4.42]
Location Indicator
.020 [0.51]
.170 [4.32]
.240 [6.1]
.305 [7.75]
External Key

Pin Header Key
For use with 2-, 3-, and 4-row Pin Headers
Kit Part Number 530341-5'
Kit includes 2 each of the following:
Keys, passivated stainless steel
Part Number 530341-1
Military Part Number M55302/31-04
Rivets, nickel plated brass
Part Number 530347-3
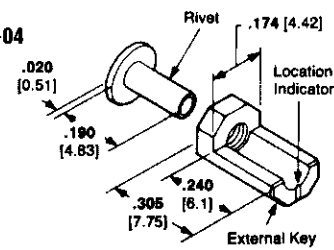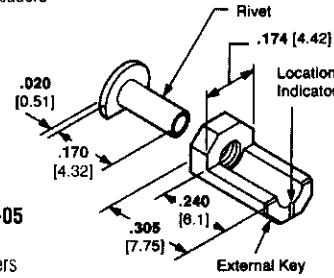**Military Part Number M55302/31-10**
'Rivet Clinching Tools:
2-Row Pin Headers—Tool Part Number 91117-1
  (See instruction sheet 408-7803)
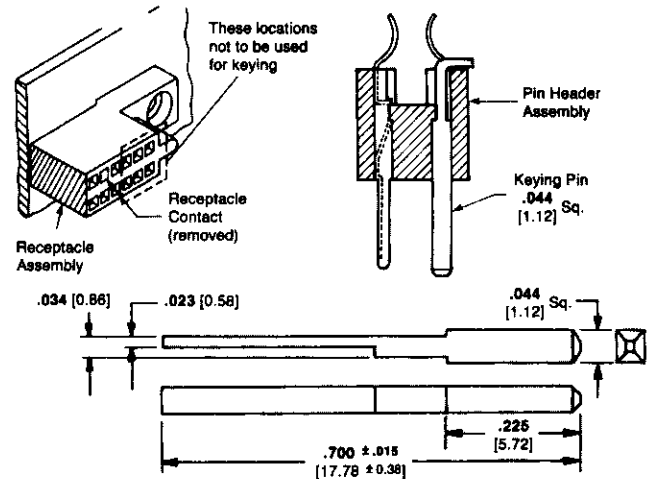3-Row Pin Headers—Tool Part Number 91117-3
  (See instruction sheet 408-6626)
4-Row Pin Headers—Tool Part Number 92-0800-003

Rivet
.174 [4.42]
.020 [0.51]
Location Indicator
.190 [4.83]
.240 [6.1]
.305 [7.75]
External Key

Solid Keying Pin

Solid keying pins are for use on connectors when external keying is not used or on external keyed assemblies when more than 64 keying positions are required. Solid keying pins are not to be installed in the three dual positions at each end of the connector.

These locations not to be used for keying
Receptacle Contact (removed)
Receptacle Assembly
Pin Header Assembly
Keying Pin .044 [1.12] Sq.

.034 [0.86]   .023 [0.58]   .044 [1.12] Sq.
.225 [5.72]
.700 ±.015 [17.78 ±0.38]

Material: Nickel plated brass
Part Number 530328-2
Military Part Number M55302/31-03

Assembly Instructions:
1. Remove pin and receptacle from desired keying locations.
2. Insert keying pin in pin header, secure by bending rear of pin over outside edge of housing, and trim excess material.

Guide Keys

Guide Keying Pin and Insert
For use with 2-row Receptacles and 2-row Straddle Mount Pin Headers
Kit Part Number 531715-1'
Kit includes 2 each of the following:
Guide keying pin, passivated stainless steel
Part Number 531713-1
Nut, #2-56
Part Number 23174-1
Guide keying insert, passivated stainless steel
Part Number 531714-1
Rivet, nickel plated brass
Part Number 530347-1

Rivet
Insert
.020 [0.51]
.170 [4.32]
.340 [8.64]
.345 [8.76]
Pin
.840 [21.34]
#2-56 UNC-2A

Guide Keying Pin and Insert
For use with 2- and 3-row Receptacles and Right-Angle Pin Headers
Kit Part Number 531715-2'
Kit includes 2 each of the following:
Guide keying pin, passivated stainless steel
Part Number 531713-1
Nut, #2-56
Part Number 23174-1
Guide keying insert, passivated stainless steel
Part Number 531714-1
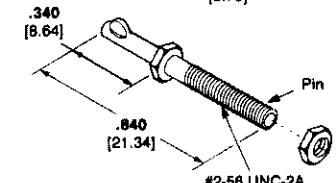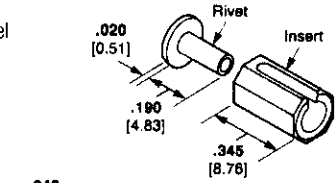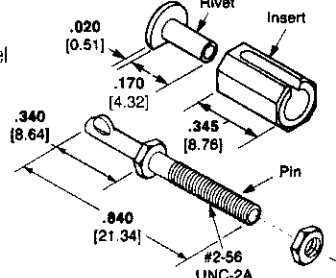Rivet, nickel plated brass
Part Number 530347-3

'Rivet Clinching Tools:
2-Row Pin Headers—Tool Part Number 91117-1
  (See instruction sheet 408-7803)
3-Row Pin Headers—Tool Part Number 91117-4
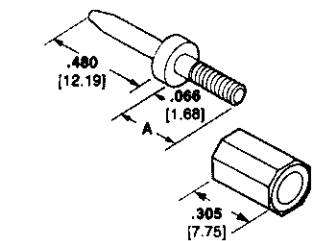 (See instruction sheet 408-6627)

Rivet
Insert
.020 [0.51]
.190 [4.83]
.340 [8.64]
.345 [8.76]
Pin
.840 [21.34]
#2-56 UNC-2A

Guide Pin/Insert

Guide Pin
Passivated stainless steel

A	Part No.
.400 10.16	530345-1
.680 17.27	—
.750 19.05	530345-3

.480 [12.19]
.066 [1.68]
A
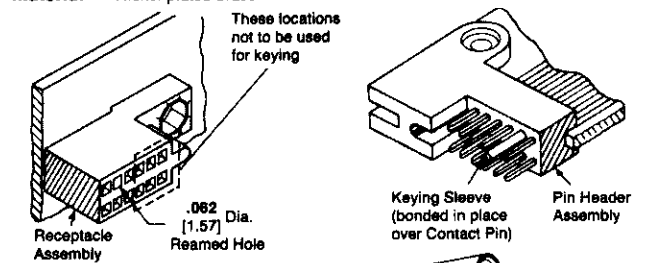.305 [7.75]

Guide Insert
Passivated stainless steel
Part Number 530346-1
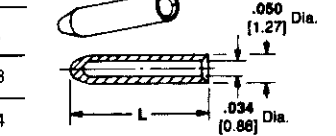(Consult Tyco Electronics for mounting recommendations)

Keying Sleeve
Keying sleeves, like solid keying pins, are used as an alternative to external keys or when additional keying is required. When the keying sleeve is used on the pin header, the contact must be removed from the receptacle assembly and the cavity reamed to .062 [1.57] diameter.

Material — Nickel plated brass

These locations not to be used for keying
Receptacle Assembly
.062 [1.57] Dia. Reamed Hole
Keying Sleeve (bonded in place over Contact Pin)
Pin Header Assembly
.050 [1.27] Dia.
L
.034 [0.86] Dia.

L	MIL-Part No. M55302/	Part No.
.305 7.75	31-01	583254-3
.250 6.35	31-02	583254-4

Printed Circuit Board Connectors

6091

Catalog 1308940
Revised 5-03
www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967