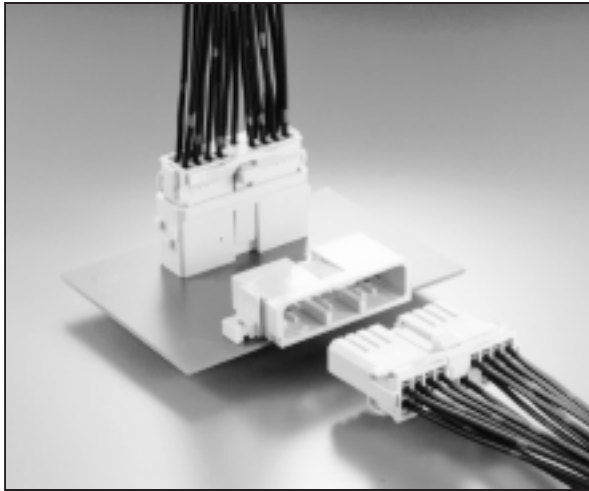


EX5-R SERIES AUTOMOTIVE CONNECTORS

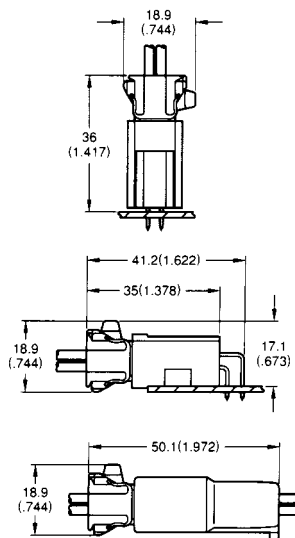
070 Crimp Contacts, PCB-to-Cable/Cable-to-Cable Applications



FEATURES

- Designed for automotive audio equipment applications
- Mechanical lock assures positive mating
- Unique housing configuration helps prevent mismatching and twisting force
- Double locking mechanism prevents dislodging of contacts
- Highly reliable socket contacts
- Simplified crimp type termination

Connector Profile (Ref.)



GENERAL SPECIFICATIONS

Number of Contacts	16
Contact Spacing	4.0mm (.157")
Current Rating	8 Amps
Dielectric Withstanding Voltage	1000 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	10 milliohms max.
Applicable PCB Thickness	1.6 to 2.4mm (.063" to .094")
Operating Temperature	-40°C to +85°C

MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	PBT, Light Gray (Pin housing for cable connection, 66-Nylon)
Socket Contact	Copper Alloy/Tin plating
Pin Contact	Copper Alloy/Tin plating

APPLICABLE WIRE (Stranded)

Contact Type	C1 Type	C2 Type
Wire Type	AV, AVS	AVSS
Conductor Cross Section Area	0.5 to 1.25mm ²	1.25mm ²
AWG No.	#20 to #16	#16
Insulation Outer Dia.	2.0 to 3.0mm (.079 to .118")	1.4 to 2.4mm (.055 to .094")

ORDERING INFORMATION

Series	EX5-R	-	16	-	*	-	*	-	*
No. of Contacts			16						
Contact Type									
P – Pin									
S – Socket									
Termination Style									
L – Right Angle Through Hole									
T – Straight Through Hole									
C – Crimp									
Modification Code									

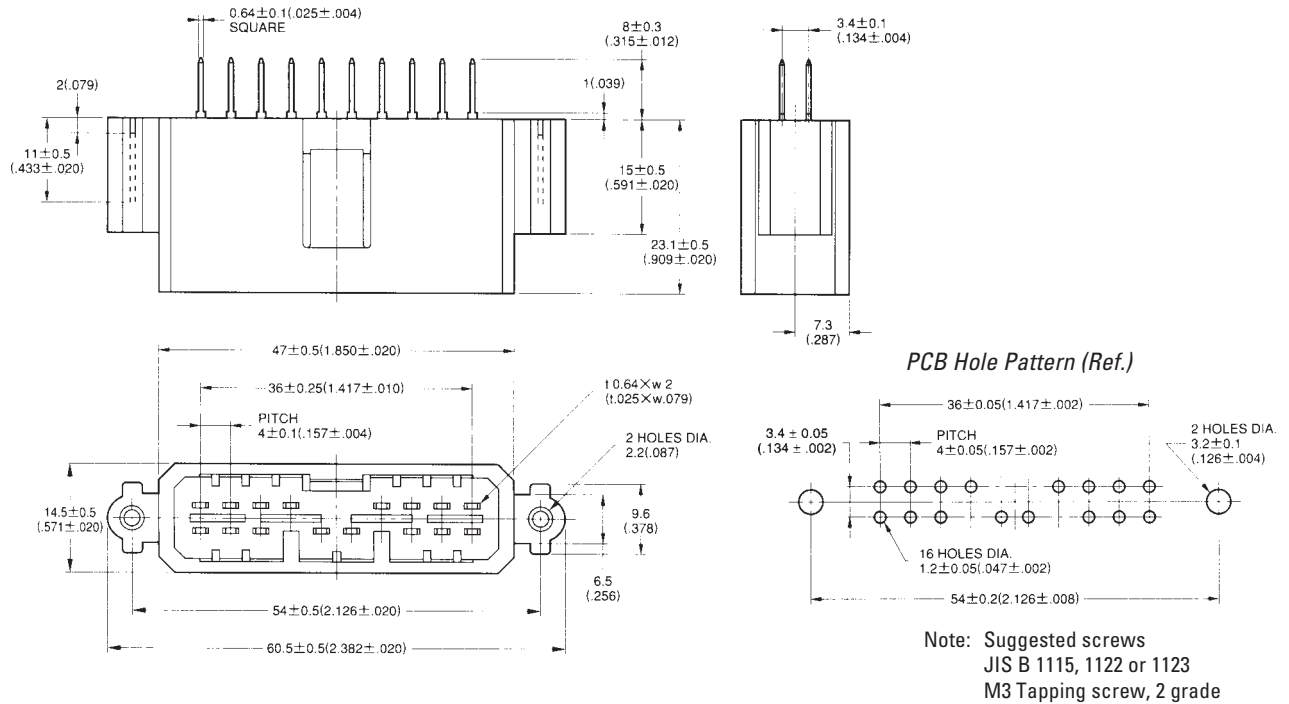
Dimensions and specifications subject to change without notice.

EX5-R SERIES AUTOMOTIVE CONNECTORS

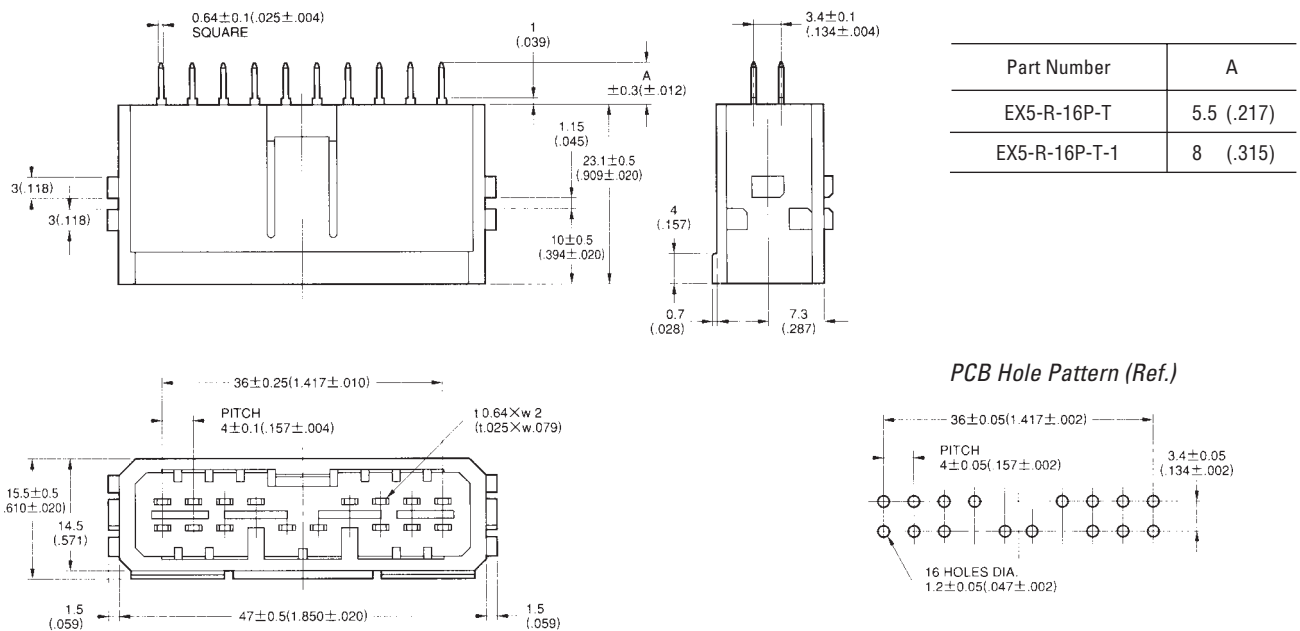
070 Crimp Contacts, PCB-to-Cable/Cable-to-Cable Applications

STRAIGHT PIN HEADER WITH MOUNTING EARS

Part Number: EX5-R-16P-T-2



WITHOUT MOUNTING EARS



Dimensions in mm (inches).

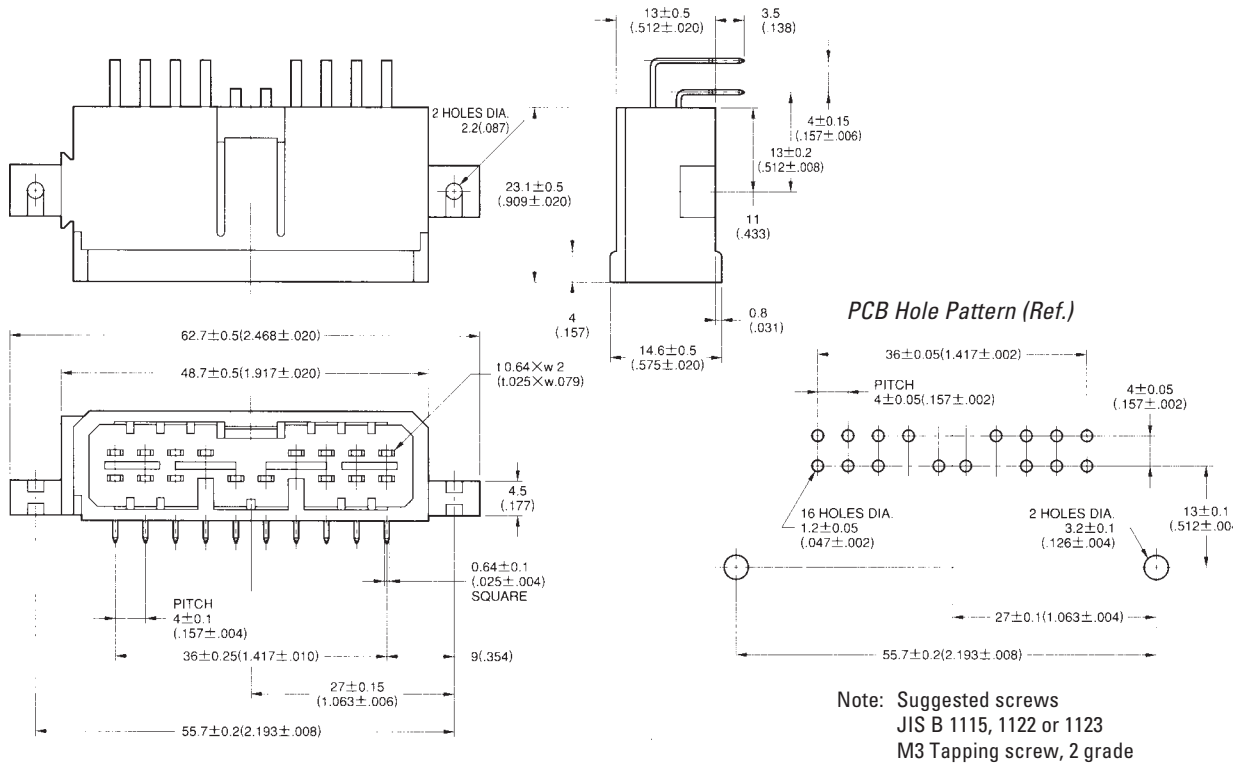
EX5-R SERIES AUTOMOTIVE CONNECTORS

070 Crimp Contacts, PCB-to-Cable/Cable-to-Cable Applications

RIGHT ANGLE PIN HEADER

WITH MOUNTING EARS

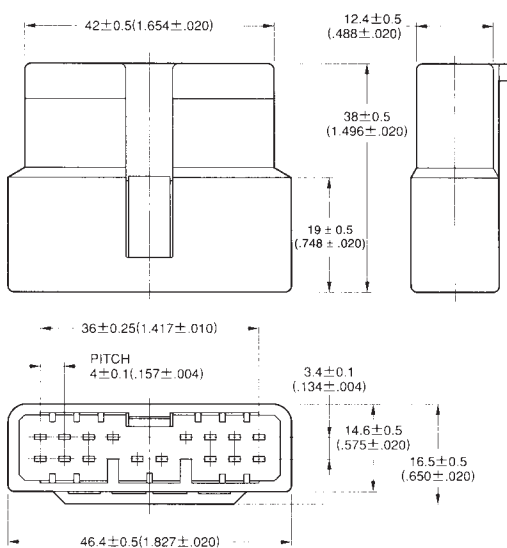
Part Number: EX5-R-16P-L



CABLE CONNECTION PIN PLUG (Please consult JAE for details.)

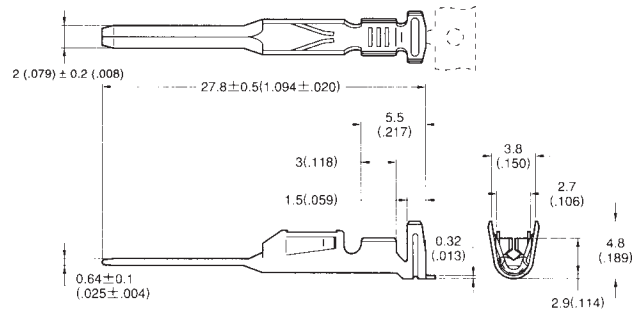
PIN HOUSING

Part Number: EX-R-16P-C



PIN CONTACT (CRIMP TYPE)

Part Number: EX-PC1-3000 (3000 contacts per reel)



Applicable Wire (stranded)

Conductor Cross Section Area	AWG No.	Insulation Outer Dia.
0.5 to 1.25mm ²	#20 to #16	2 to 3mm (.079 to .118")

Tool

Description	Part Number
Hand Crimping Tool	CT160-3-EXPC1
Semi-Automatic Crimping Machine	CT350-2 type—Press: CP210-1B Applicator: 360-EX-2B
Contact Extraction Tool	EX-EXPC1

Dimensions in mm (inches).

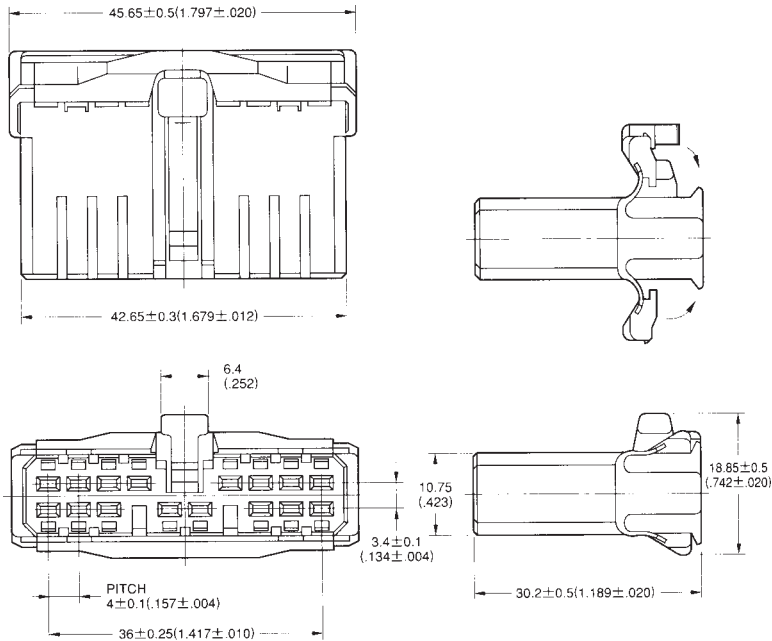
EX5-R SERIES AUTOMOTIVE CONNECTORS

070 Crimp Contacts, PCB-to-Cable/Cable-to-Cable Applications

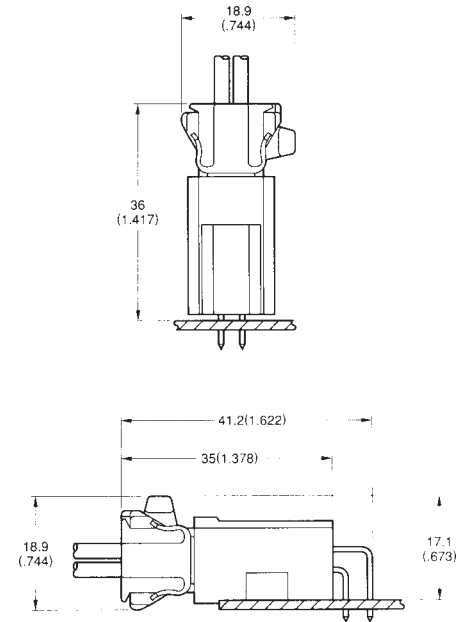
SOCKET HOUSING/SOCKET CONTACT

SOCKET HOUSING

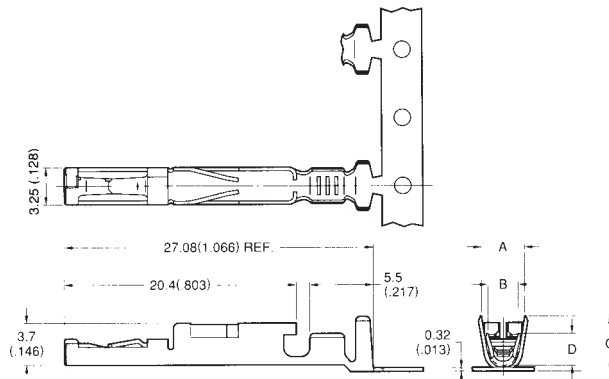
Part Number: EX5-R-16S-C



Dimensions of Connector Combinations



SOCKET CONTACT (CRIMP TYPE)



- **Tooling**
Semi-Automatic Crimping Machine: CT350-2 Type
Hand Crimping Tool: CT160 Type
Contact Extraction Tool: ET-EX5
Lock Flap Release Tool: RT-AG5 • EX5

Contact Part Number	A	B	C	D	Applicable Wire (Stranded)				Applicable Tool	
					Type	AWG No.	Conductor mm ²	Insulation Outer Dia.	Hand Crimp	Semi-Auto. CT350-2 type
EX5-C1-3000	3.8 (.150)	2.7 (.106)	4.8 (.189)	2.8 (.110)	AV AVS	#20 to #16	0.5 to 1.25	2.0 to 3.0mm (.079 to .118")	CT160-3-EX5	Applicator: 360-EX5-2 Press: CP210-1B
					AVSS	#16	1.25			
EX5-C2-3000	3.0 (.118)	2.1 (.083)	3.1 (.122)	2.5 (.098)	AV AVS AVSS	#22 to #18	0.3 to 0.85	1.4 to 2.4mm (.055 to .094")	Please consult JAE.	

Note 1: The figures following the Part No. (-3000) indicate the number of contacts per magazine assembly reel.

Dimensions in mm (inches).