

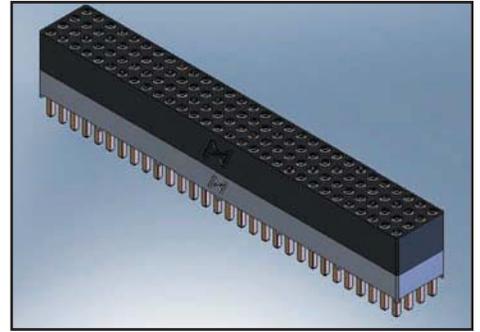
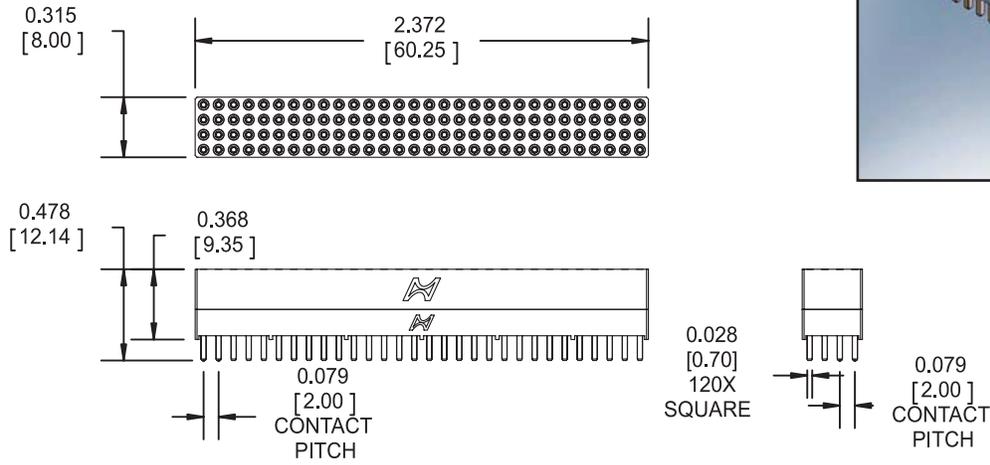
## PCI-104 Style Architecture, Stackable Connector System

- 2mm centerline, 4 X 30 contact grid (120 total contact positions)
- Up to 1 Amp per contact
- Insulator material meets NASA outgassing specifications
- Connector designed for ruggedized applications
- Contact tails available in square press-fit and round solder termination styles
- System is compatible with industry standard PCI-104 bus as well as proposed NASA SPACE-104 standards
- Accommodates both standard and custom PC board stacking height designs by utilizing multiple pin carriers and contact tail lengths

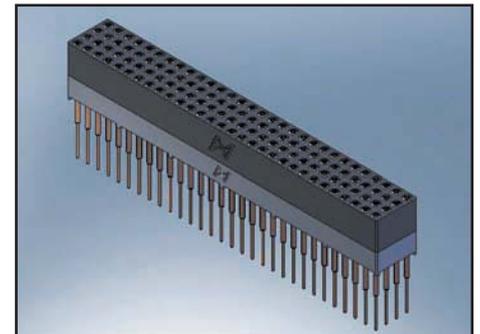
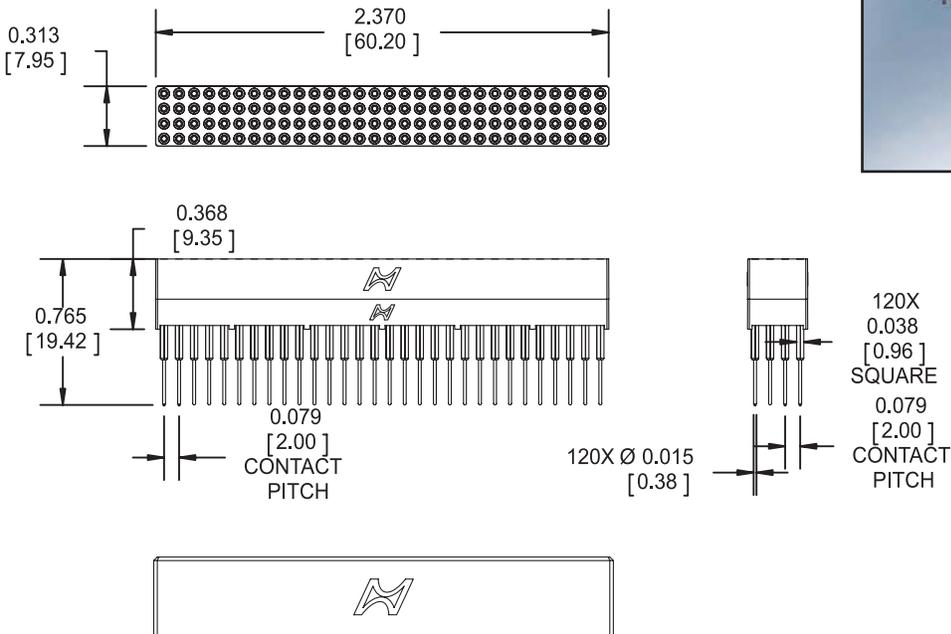
<b>General Specifications</b>	
<b>Part Reference Number</b>	Stackthrough Variations: - KPC120SQ060TAH - KPC120RQ060TAH - KPC120SR104 Non-Stackthrough Variations - KPC120NQ060TAH - KPC120NR060TAH - KPC120NR104TAH
<b>Design Criteria Basis</b>	PC/104-Plus Specification Version 2.0, November 2003
<b>Contact Mating Diameter</b>	0.016 [0.40]
<b>Current Rating</b>	1 Amp Continuous
<b>Contact Resistance</b>	< 8 milliohms
<b>Contact Insertion/Extraction Forces</b>	Insertion: 1.28 oz. max.; Extraction: 1 oz. max. per contact
<b>Contact Life Cycle</b>	100,000
<b>Breakdown Voltage Between Contacts</b>	1950 V max.
<b>Operating Voltage</b>	1463 V max
<b>Material and Plating (contacts only)</b>	Socket End: Beryllium copper wires and brass body components; 50µin gold over nickel on wires, gold flash over nickel on all other socket components Tail (Mating) End: Phosphor bronze; 50µin gold over 50µin nickel
<b>Shock and Vibration (contacts only)</b>	Vibration testing to MIL-DTL-55302 para. 4.5.10 Shock testing to MIL-DTL-55302 para. 4.5.14
<b>Insulation Resistance</b>	> 5000 megohms at 500 VDC
<b>Insulator Material</b>	30% Glass-filled LCP (meets NASA outgassing specification)
<b>Flammability Rating</b>	UL94-V0
<b>Operating Temperature</b>	-55° C to 125° C
<b>Suggested Printed Circuit Board Mounting Hole Diameter</b>	0.35 ± 0.003 [0.88 ± 0.08]

Dimensions are in inches [mm]

**Standard Short Pin, Square Tail Non-Stackthrough**  
(KPC120NQ060TAH)

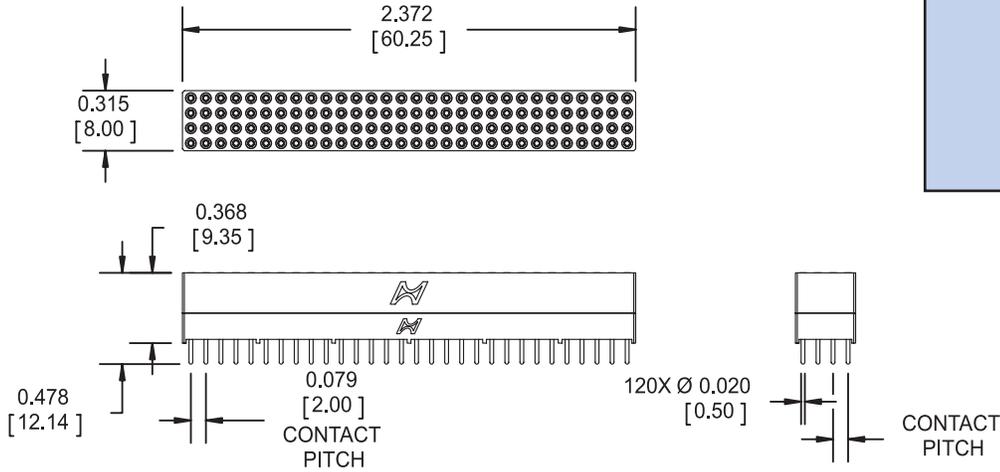
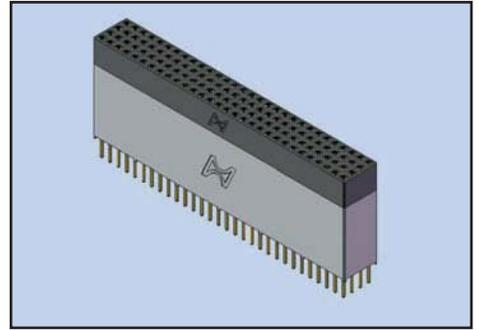


**Standard Long Pin, Square Tail Stackthrough**  
(KPC120SQ060TAH)

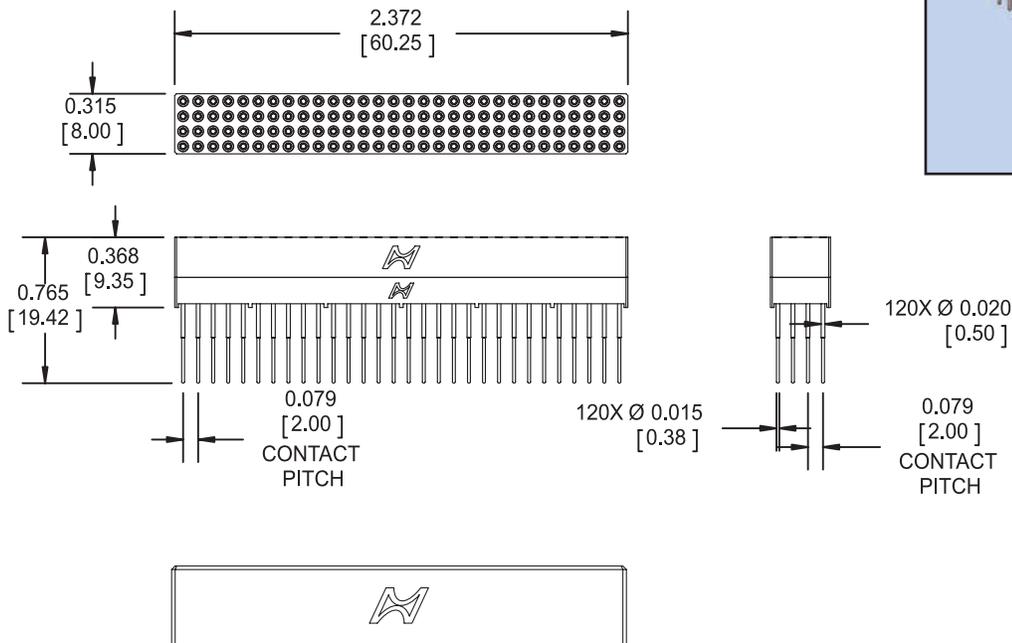
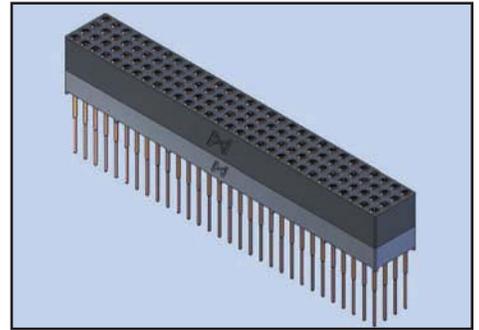


Dimensions are in inches [mm]

**Standard Short Pin, Round Tail  
Non-Stackthrough**  
(KPC120NR060TAH)

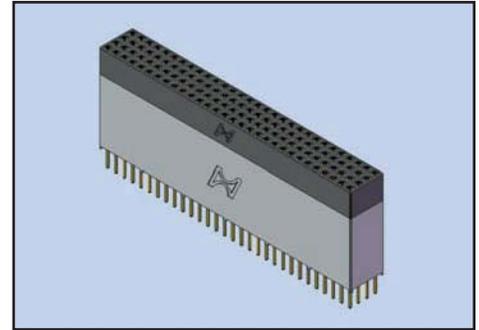
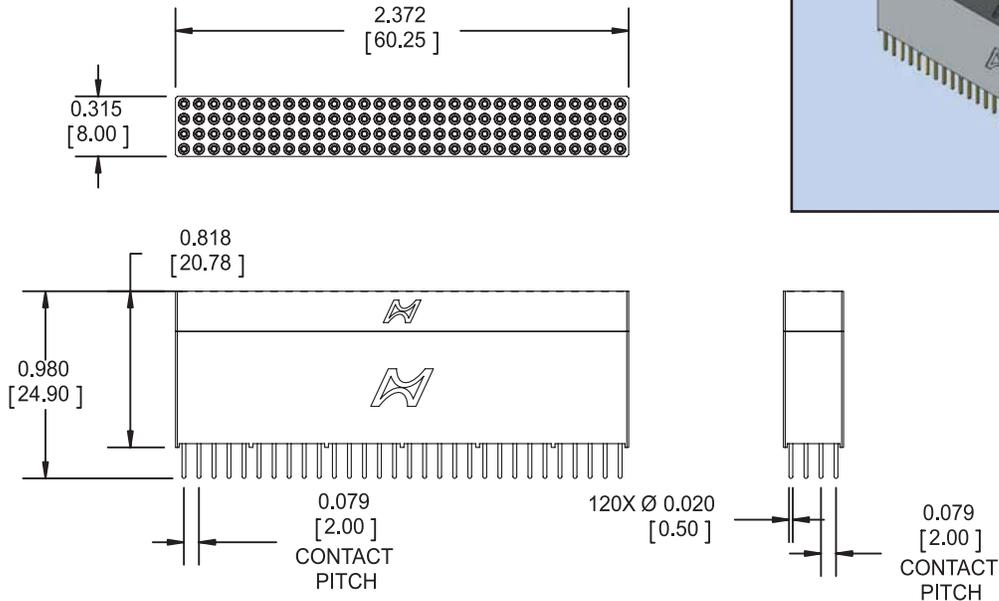


**Standard Long Pin, Round Tail  
Stackthrough**  
(KPC120SR060TAH)

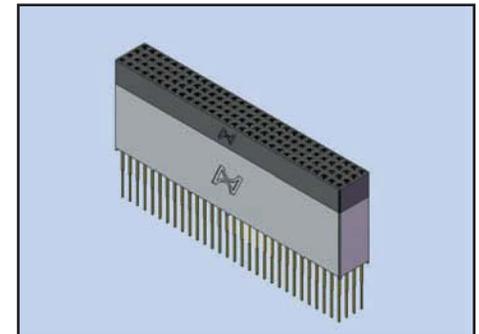
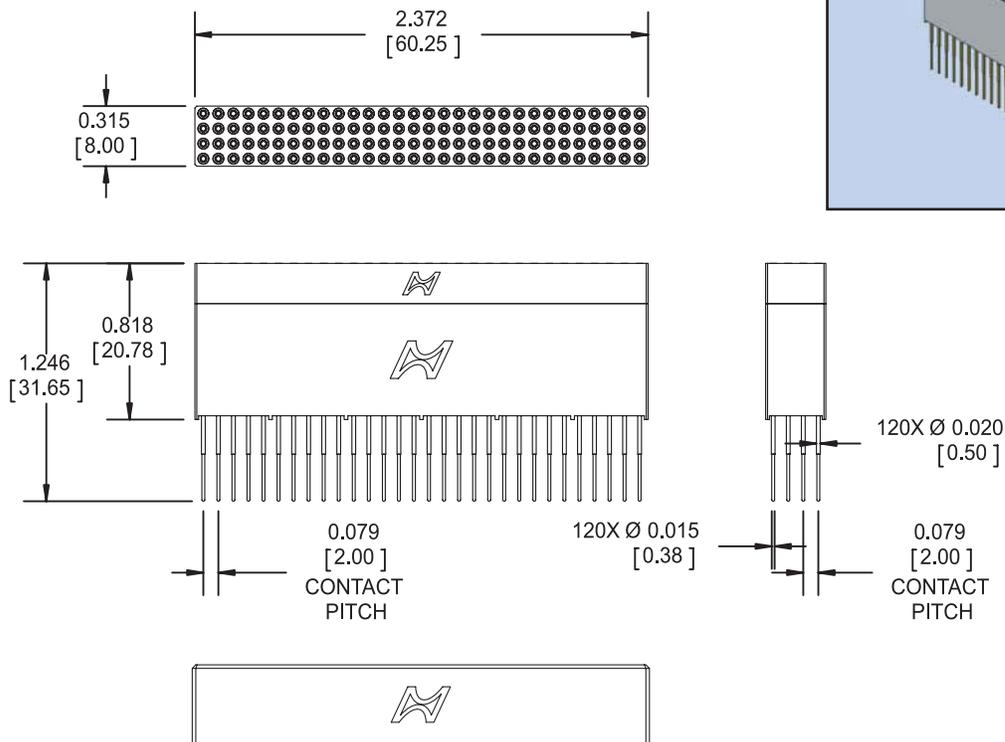


Dimensions are in inches [mm]

**Standard Short Pin, Round Tail Non-Stackthrough  
with 104.00 [2641.60] Stacking Height**  
(KPC120NR104TAH)

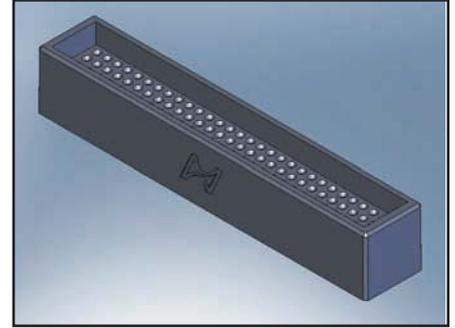
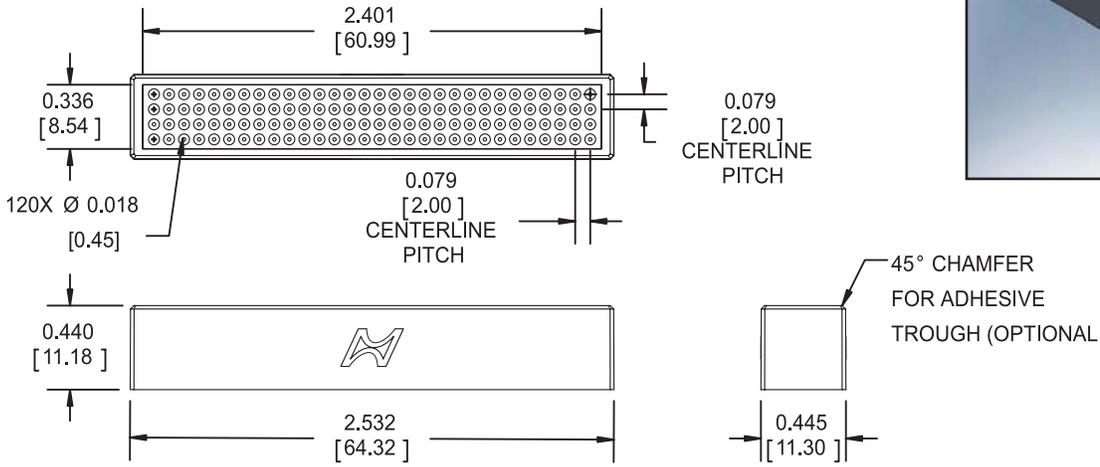


**Standard Long Pin, Round Tail Stackthrough  
with 104.00 [2641.60] Stacking Height**  
(KPC120SR104TAH)

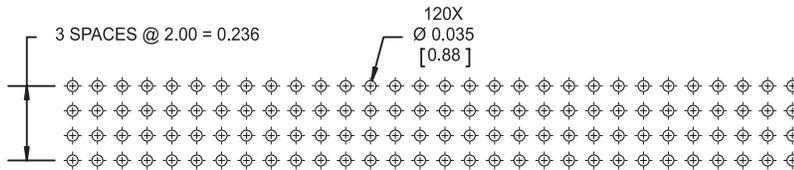


Dimensions are in inches [mm]

**Shroud**

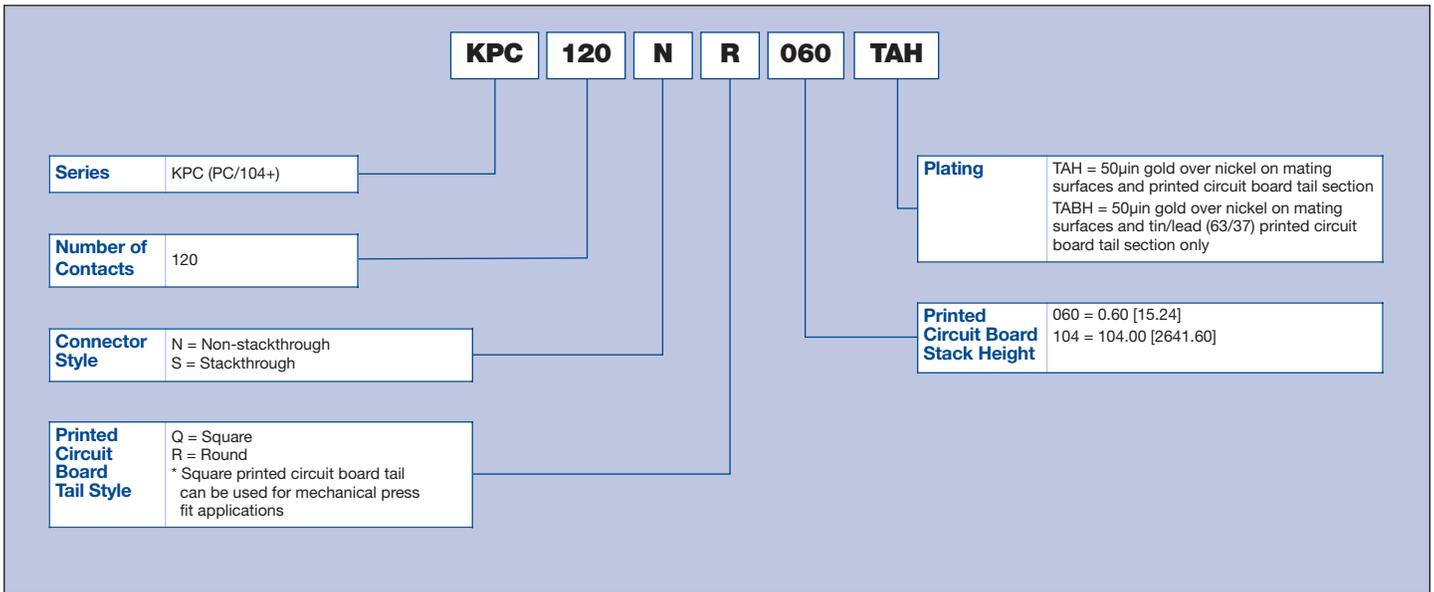


**Recommended Printed Circuit Board Mounting Footprint (plated holes)**



Dimensions are in inches [mm]

## Ordering Information



Dimensions are in inches [mm]