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REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	11/22/05

2

1

5 PIN PCB TAIL CONTACTS INSTALLED.

#### 4. FINISHES:

#12 PCB TAIL CONTACT: SILVER PLATED  
#20 PCB TAIL CONTACT: GOLD PLATED  
CROWN BAND: GOLD PLATED

### 3 MATERIALS

INSULATOR: THERMOPLASTIC, GLASS REINFORCED, UL94V-0,  
FLAMMABILITY RATED, COLOR-BLACK.

PIN CONTACT: COPPER ALLOY  
PCB TAIL CONTACTS: COPPER ALLOY  
CROWN BAND: COPPER ALLOY  
RETENTION CLIP: COPPER ALLOY OR STAINLESS STEEL

 2 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

NOTES: UNLESS OTHERWISE SPECIFIED

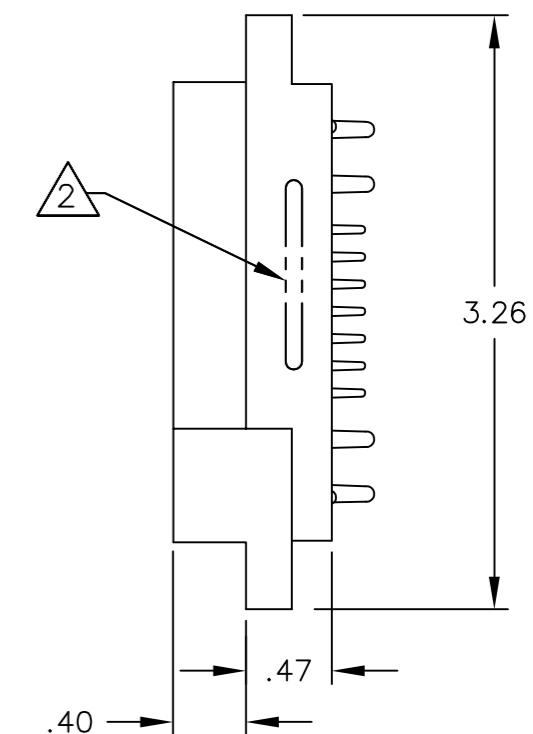
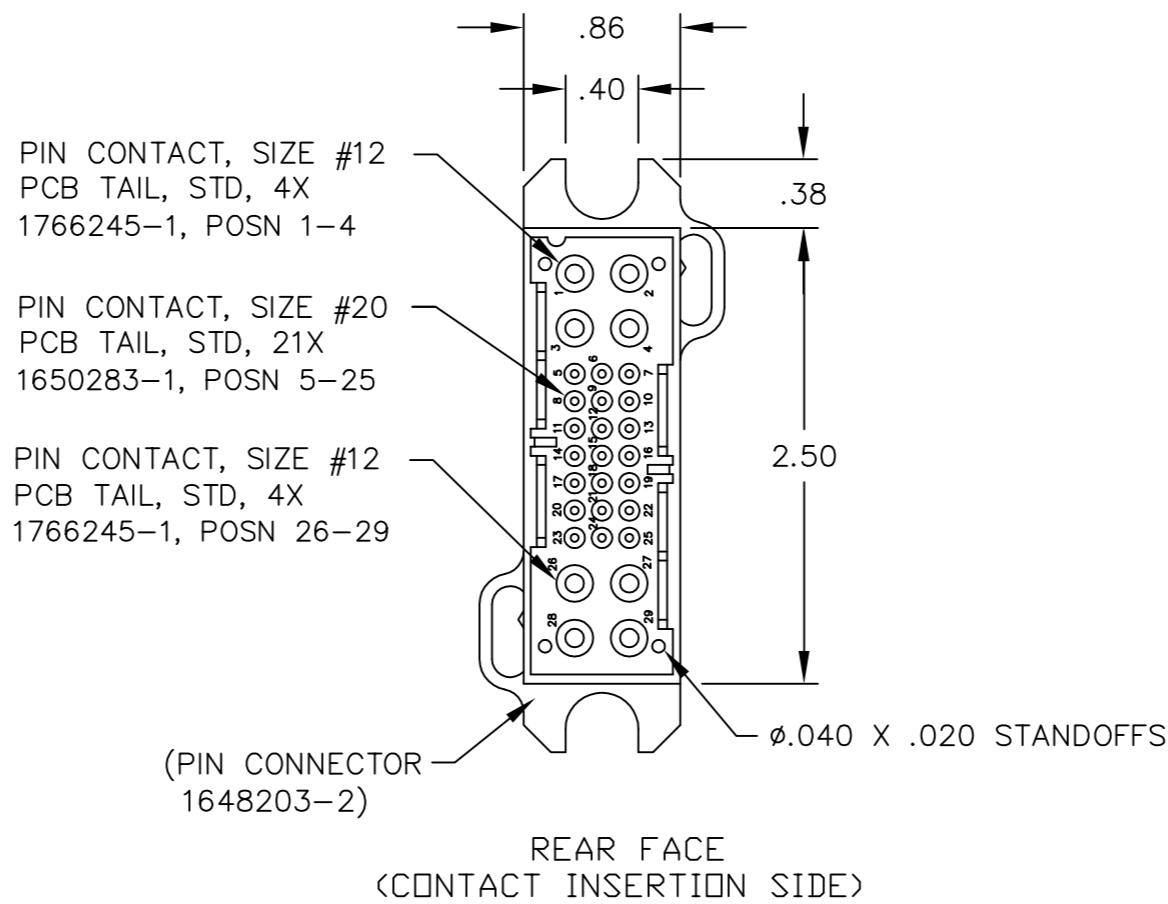
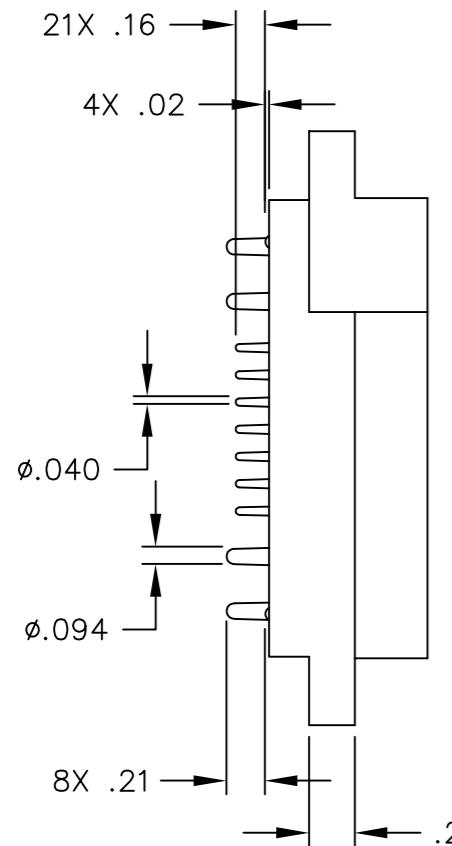
 TABLE - PIN CONNECTOR PN 6643534-1			
PART NUMBER	DESCRIPTION	POSITION	QTY
1648203-2	CONNECTOR, PIN, #12,#20,#12 CONFIG	NA	1
1650283-1	CONTACT, PIN, SIZE #20, PCB TAIL, STD	5-25	21
1766245-1	CONTACT, PIN, SIZE #12, PCB TAIL, STD	1-4 & 26-29	8

 <b>INCH</b> <b>MM</b> <b>OR INCH (MM)</b>  <b>THIRD ANGLE PROJECTION</b>	DRAWN M. ALIM	DATE 11/22/05	 <b>Tyco Electronics Corporation</b> Menlo Park, Ca 94025	
<b>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC)</b>  <b>TOLERANCES</b>  <b>ANGLES <math>\pm .5^\circ</math></b>  <b>DECIMALS</b>  $.XXX \pm .010 (.25)$ $.XX \pm .02 (.3)$	CHECKED			
	APPROVED			
	APPROVED D. CHAU	11/22/05		
<b>ACAD FILE NUMBER</b> C6643534A.DWG	<b>TITLE</b>  <b>CONNECTOR, PIN</b> <b>LOWER DRAWER</b> <b>PN 6643534-1</b>	<b>SIZE</b> <b>B</b>	<b>DWG NUMBER</b> <b>C- 6643534</b>	<b>REV.</b> <b>A</b>
<b>DWG SCALE</b> 1=1	<b>SH 1 OF 3</b>			

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## REVISIONS

EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



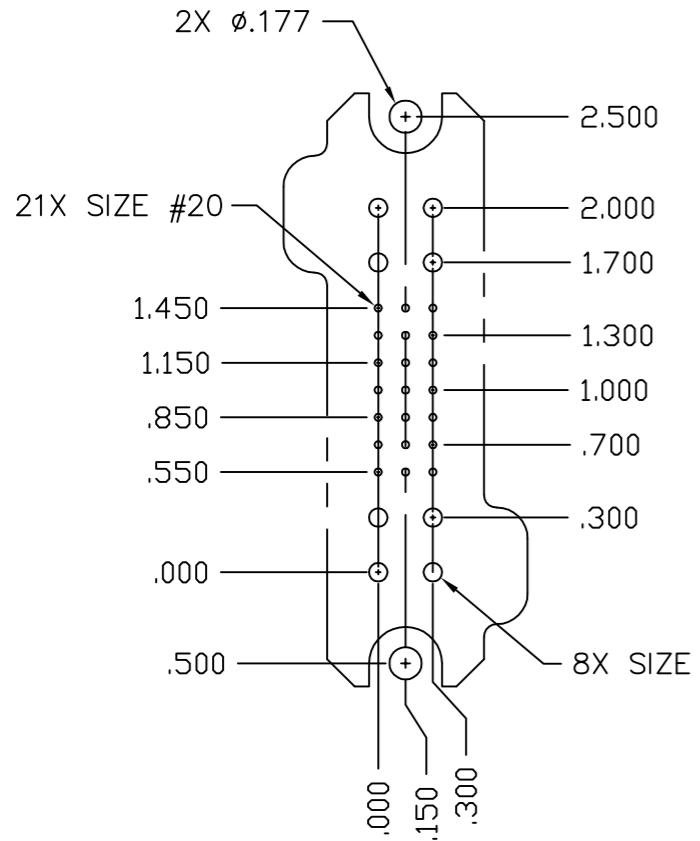
  THIRD ANGLE PROJECTION	DRAWN	DATE	 Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC)	APPROVED		TITLE
TOLERANCES	APPROVED		CONNECTOR, PIN LOWER DRAWER PN 6643534-1
ANGLES $\pm .5^\circ$	APPROVED		
DECIMALS	D. CHAU	11/22/05	
.XXX $\pm .010$ (.25)	DCA APPROVED		
.XX $\pm .02$ (.3)	M. ALIM	11/22/05	SIZE DWG NUMBER
			C- 6643534
	ACAD FILE NUMBER	C6643534A.DWG	REV.
			A
	DWG SCALE	1=1	SH 2 OF 3

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		SEE SHEET 1	

B



## 1. RECOMMENDED PRINTED CIRCUIT BOARD HOLE FOR SIZE #12 PCB TAIL

FINISHED HOLE:  $\phi.102$  [2.591]  $+.002$  [.051]  $-.003$  [.076]  
 DRILLED HOLE:  $\phi.1065$  [2.705]  $\pm .0005$  [.0127]  
 COPPER PLATE: .0010 [.025] MINIMUM (PER SURFACE)  
 TIN PLATE: .0003 [.008] MINIMUM (PER SURFACE)

## 2. RECOMMENDED PRINTED CIRCUIT BOARD HOLE FOR SIZE #20 PCB TAIL

FINISHED HOLE:  $\phi.040$  [1.016]  $\pm .003$  [.076]  
 DRILLED HOLE:  $\phi.0453$  [1.152]  $\pm .0005$  [.013]  
 COPPER PLATE: .0010 [.025] MINIMUM (PER SURFACE)  
 TIN PLATE: .0003 [.008] MINIMUM (PER SURFACE)

PCB FOOTPRINT

(VIEWED FROM CONNECTOR MOUNTING SIDE)

 THIRD ANGLE PROJECTION	DRAWN	DATE	 Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC)	APPROVED		TITLE
TOLERANCES	APPROVED		USER INFORMATION
ANGLES $\pm .5^\circ$	APPROVED		PCB FOOTPRINT & RECOMMENDED HOLE SIZE
DECIMALS	D. CHAU	11/22/05	PN 6643534-1
.XXX $\pm .010$ (.25)	DCA APPROVED		
.XX $\pm .02$ (.3)	M. ALIM	11/22/05	
	ACAD FILE NUMBER	C6643534A.DWG	REV.
			A
		DWG SCALE 1=1	SH 3 OF 3