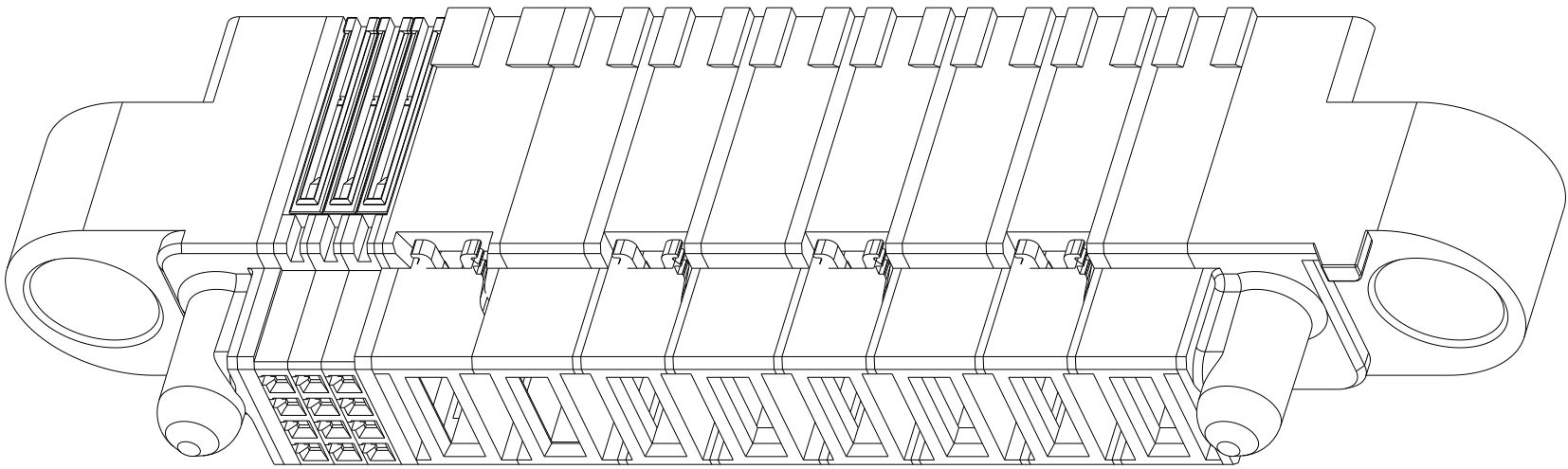
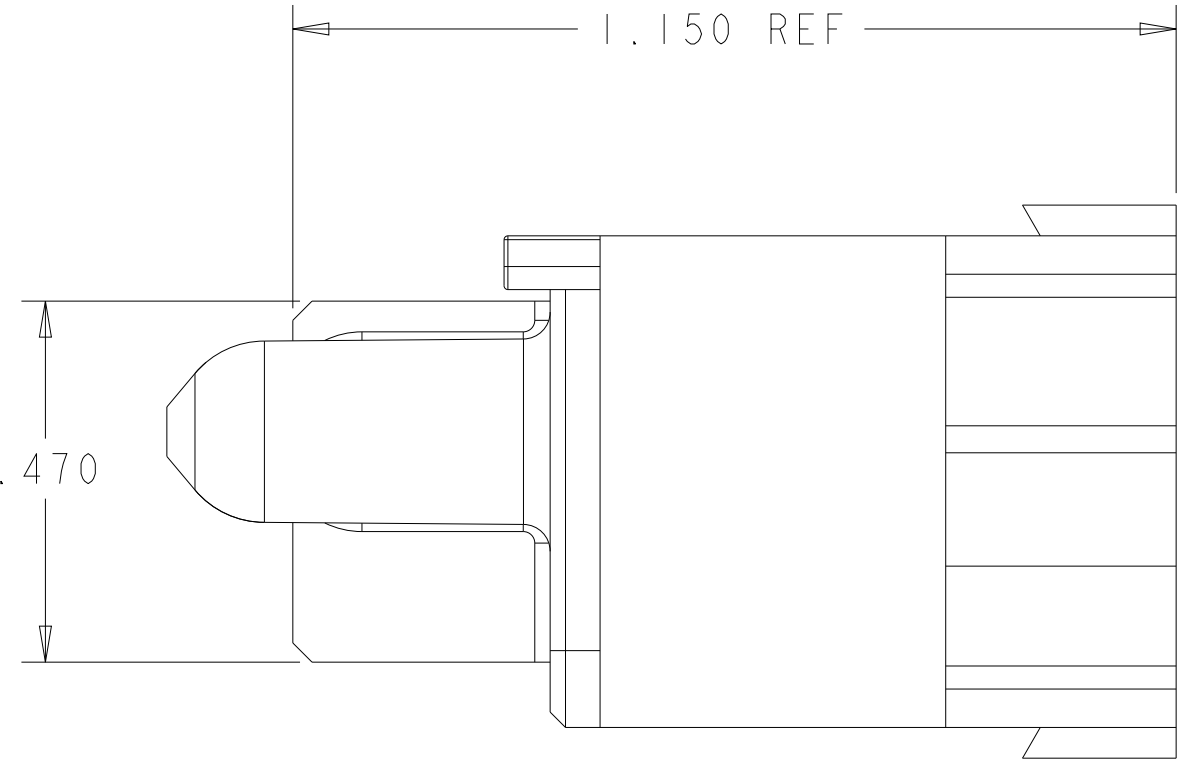
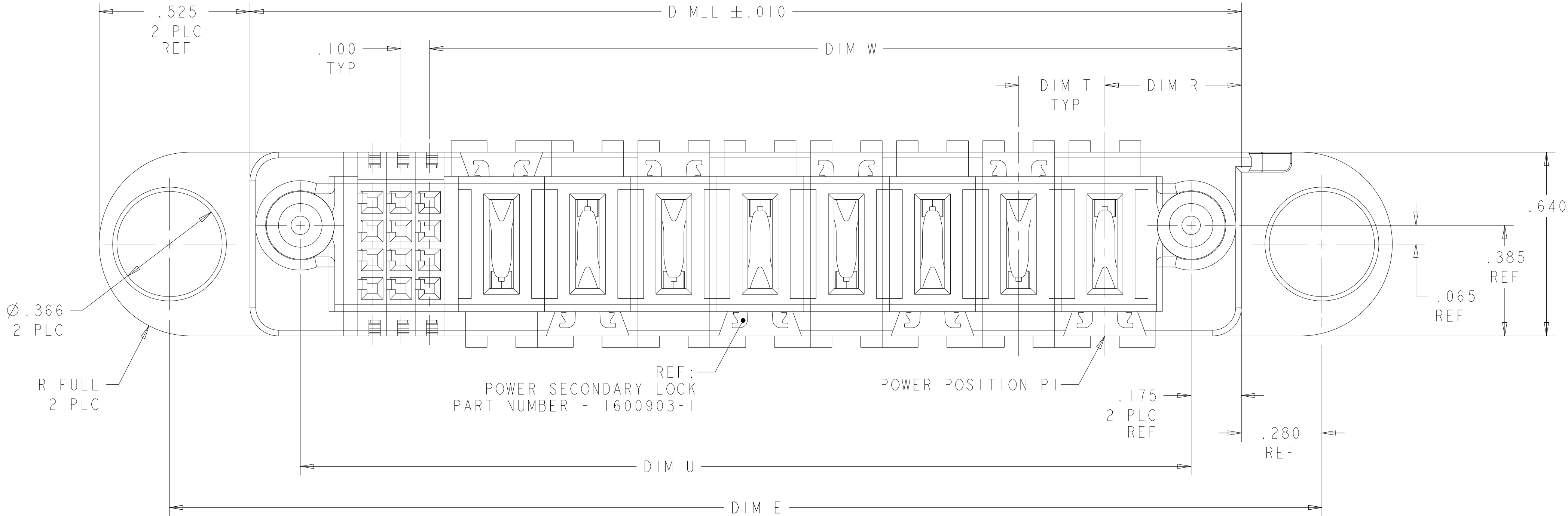


LOC	DIST	REVISIONS						
		P	LYR	DESCRIPTION		DATE	DWN	APVD
ES	00		H8	ADDED NEW DASH NUMBER 1-9		05MAR2019	CZ	SZ
			H9	ADDED NEW DASH NUMBER 2-0		07APR2020	CZ	SZ
			J	ADDED NEW DASH NUMBER 2-1		27FEB2021	CZ	SZ

REF:
SIGNAL SECONDARY LOCK
PART NUMBER - 1600902-1

- 1 COMPANY TRADEMARK, PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN. PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES.
- 2 MATERIAL: THERMO PLASTIC, UL94 V-0.
- 3 DATUM LOCATIONS AND BASIC DIMENSIONS TO BE ESTABLISHED BY THE CUSTOMER.
- 4 BULKHEAD THICKNESS RANGE: .031 - .100.
- 5 CONNECTOR MATED TO PANEL FROM OPPOSITE SIDE.
- 6 NO BURRS ALLOWED ON OPPOSITE (MATING) SIDE.
- 7 CONNECTOR KEEP OUT ZONE.
- 8 MOUNT CONNECTOR WITH TYCO HARDWARE KIT 1600914-1 FOR .050 (1.27mm) MIN RADIAL FLOAT.
- 9 VARIABLE DIMENSION SHOW ON VIEW (SHEET 2 AND SHEET3).
- 10 FOR THE CONFIGURATION OF 1-1600616-5,1-1600616-6,PLEASE REFER TO THE SHEET 4.



ISOMETRIC VIEW
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN HAMMER	06JUL2004	 TE Connectivity						
DIMENSIONS: INCHES		CHK D. TROUT	09JUL2004							
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D. TROUT	-	NAME PLNEL MOUNT CABLE RECEPTACLE TYPE PS, WITH GUIDES MULTI-BEAM XL					
	0 PLC ±.01		PRODUCT SPEC	-						
	1 PLC ±.01		108-2157							
	2 PLC ±.01		APPLICATION SPEC	-						
	3 PLC ±.005		114-13112							
	4 PLC ±.0020		WEIGHT	-						
ANGLES ±.2°					SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
FINISH					A1	100779C	1600616			
MATERIAL					CUSTOMER DRAWING					
					SCALE	1:1	SHEET	1 OF 6	REV	J

LOC		DIST		REVISIONS						
ES	00	P	LTR	DESCRIPTION				DATE	DWN	APVD
			-	SEE SHEET I				-	-	-

3.325	4.050		.450	4.400	5.450	4.960	4ACP + 9HDP + 32S	2-1600616-1
3.550	3.875		.475	4.225	5.275	4.785	3ACP + 9P + 16S	2-1600616-0
2.300	2.825		.475	3.175	4.225	3.735	3ACP + 4P + 24S	1-1600616-9
3.325	4.050		.450	4.400	5.450	4.960	4ACP + 9HDP + 32S	1-1600616-8
3.550	3.875		.475	4.225	5.275	4.785	3ACP + 9P + 16S	1-1600616-7
3.550	3.875		.475	4.225	5.275	4.785	3ACP + 9P + 16S	1-1600616-6
2.300	2.825		.475	3.175	4.225	3.735	3ACP + 4P + 24S	1-1600616-5
3.550	3.875		.475	4.225	5.275	4.785	3ACP + 9P + 16S	1-1600616-4
3.350	4.075		.450	4.425	5.475	4.985	4ACP + 9HDP + 32S	1-1600616-3
1.300	1.350	.300	.450	1.700	2.850	2.260	3ACP + 4S	1-1600616-2
1.175	1.300	.250	.450	1.650	2.700	2.210	3P + 8S	1-1600616-1
1.925	2.050	.250	.450	2.400	3.450	2.960	6P + 8S	1-1600616-0
1.325	1.500	.300	.475	1.850	2.900	2.410	3ACP + 8S	1600616-9
2.300	2.825		.475	3.175	4.225	3.735	3ACP + 4P + 24S	1600616-8
2.675	3.225		.525	3.575	4.625	4.135	3ACP + 6P + 24S	1600616-7
2.350	2.875		.475	3.225	4.275	3.785	3ACP + 4P + 24S	1600616-6
2.350	2.875		.475	3.225	4.275	3.785	3ACP + 4P + 24S	1600616-5
3.075	3.200	.300	.475	3.550	4.600	4.110	9ACP + 8S	1600616-4
2.375	2.550		.475	2.900	3.950	3.460	3ACP + 4P + 8S	1600616-3
3.925	4.700	.250	.450	5.050	6.100	5.610	14P + 32S + 0P	1600616-2
2.825	3.100	.300	.475	3.450	4.500	4.010	8ACP + 12S + 0P	1600616-1
DIM W	DIM U	DIM T	DIM R	DIM L	DIM F	DIM E	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

INCHES

0 PLC ±" 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2° FINISH

MATERIAL

-

DWN HAMMER 06JUL2004

CHK D.TROUT 09JUL2004

APVD D.TROUT -

PRODUCT SPEC 108-2157

APPLICATION SPEC 114-13112

WEIGHT -

CUSTOMER DRAWING

NAME PLNEL MOUNT CABLE RECEPTACLE TYPE PS, WITH GUIDES MUTLI-BEAM XL

SIZE A1

CAGE CODE 00779

DRAWING NO C=1600616

RESTRICTED TO

SCALE 1:1

SHEET 2 OF 6

REV J

TE Connectivity

LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

PART NUMBER	ROWS		SIGNAL				POWER							
			3	2	1	P8	P7	P6	P5	P4	P3	P2	P1	
1600616-1	D C B A		E	•	•									
			E	•	•	•	RA	•	RM	•	RM	•	RM	
			E	•	•									
			E	•	•									

NO CONTACTS LOADED

NO CONTACTS LOADED

PART NUMBER	ROWS		SIGNAL						POWER							
			6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1	
1600616-6	D C B A		E	E	E	E	E	E								
			E	E	E	E	E	E	RM	RM	RM	RM	RA	RM	RM	
			E	E	E	E	E	E								
			E	E	E	E	E	E								

-6 HAS THE SAME DIM AS -5

PART NUMBER	ROWS		SIGNAL								POWER														
			8	7	6	5	4	3	2	1	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	
1600616-2	D C B A		E	E	E	E	E	E	E	E	RA	RM	RA	RM	RA	RM	RA	RM	RA	RM	RA	RM	RA	RM	
			E	E	E	E	E	E	E	E															
			E	E	E	E	E	E	E	E															
			E	E	E	E	E	E	E	E															

PART NUMBER	ROWS		SIGNAL				POWER						
			2	1	P7	P6	P5	P4	P3	P2	P1		
1600616-3	D C B A		E	E	RM	RM	RM	RM	RM	RM	RM		
			E	E									
			E	E									
			E	E									

.250
3 PLC

.300
2 PLC

.325

PART NUMBER	ROWS		SIGNAL		POWER									
			2	1	P9	P8	P7	P6	P5	P4	P3	P2		P1
1600616-4	D C B A		E	E										
			E	E										
			E	E										
			E	E										

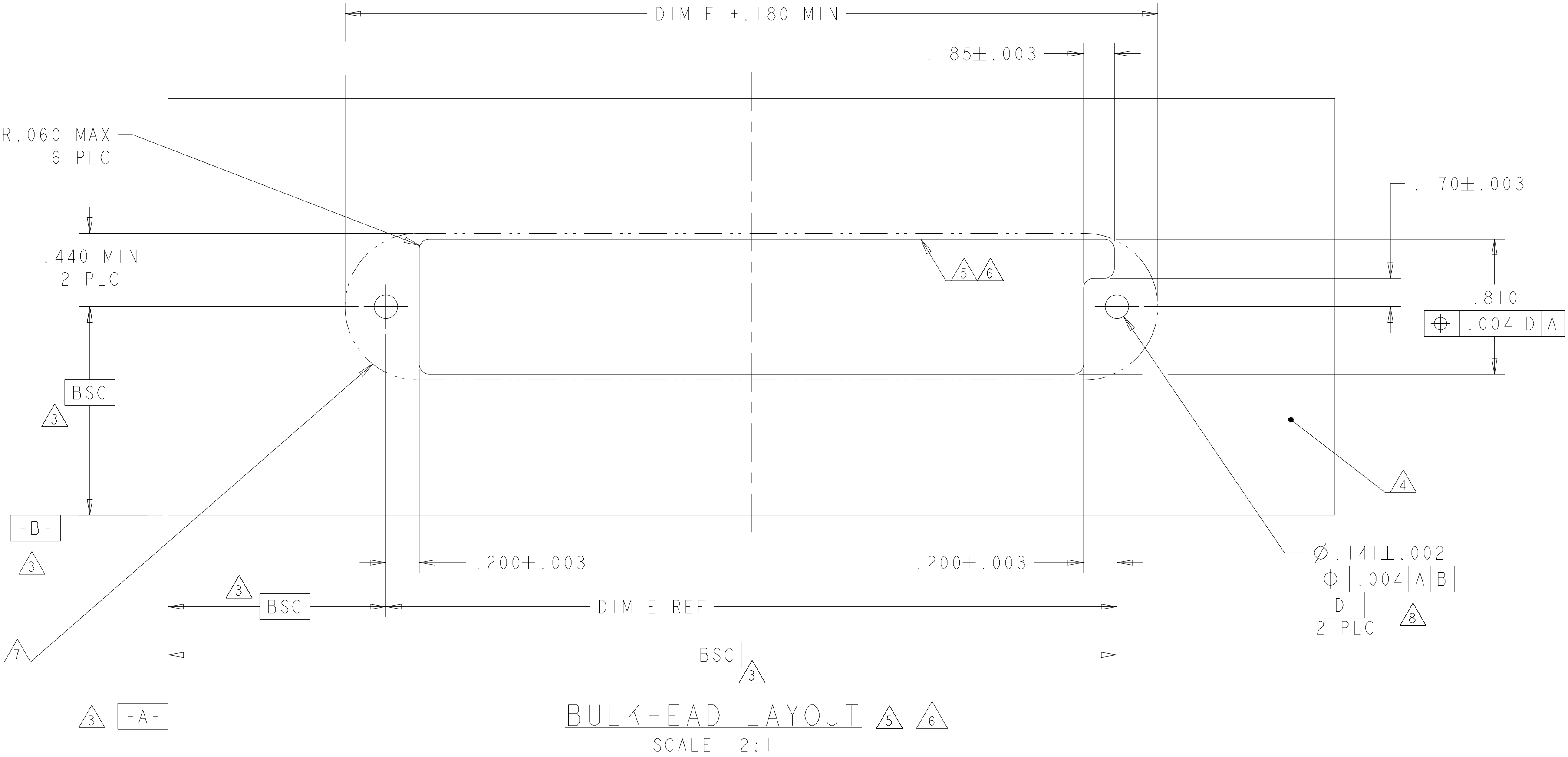
9ACP + 8S

PART NUMBER	ROWS		SIGNAL						POWER							
			6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1	
1600616-5	D C B A		E	E	E	E	E	E								
			E	E	E	E	E	E	RM	RM	RM	RM	RM	RM	RM	
			E	E	E	E	E	E								
			E	E	E	E	E	E								

.250
3 PLC

.300
2 PLC

.300



REFERENCE WIRE CHART AND CONTACTS

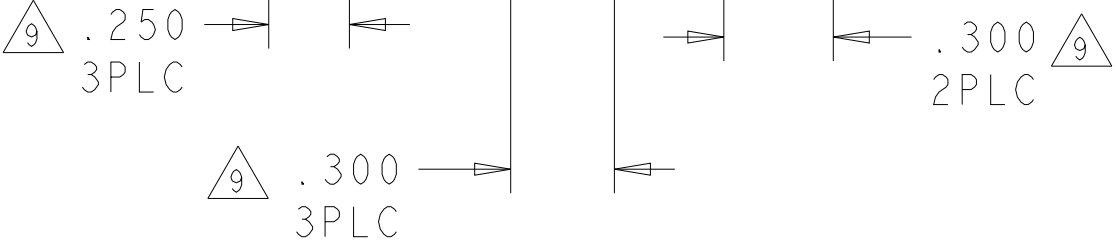
HOUSING MODULE	CONTACT	INSULATION DIAMETER RANGE
.300 POWER	8-10 1600960 REF	[.176 - .272]
.250 POWER	8-10 1600960 REF	[.176 - .203]
	12-14 1600961 REF	[.156 - .176]
.200 POWER	12-14 1600961 REF	[.120 - .156]
.100 SIGNAL	22 - 26 531216-5 REF	[.036 - .069]

RM	STANDARD POWER CONTACT
RA	MFBL POWER CONTACT
E	SIGNAL CONTACT
CODE	DESCRIPTION
CONTACT TABLE	

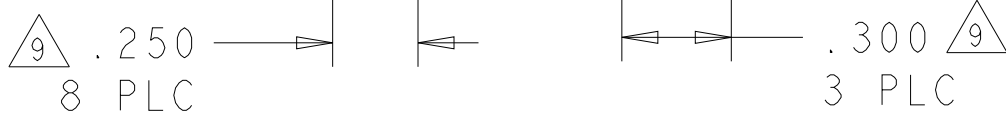
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN HAMMER	06JUL2004		TE Connectivity	
		CHK D.TROUT	09JUL2004		NAME PLNEL MOUNT CABLE RECEPTACLE TYPE PS, WITH GUIDES MULTI-BEAM XL	SIZE CAGE CODE DRAWING NO A100779C=1600616
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D.TROUT - PRODUCT SPEC 108-2157 APPLICATION SPEC 114-13112		
		0 PLC ±"	1 PLC ±.01		SCALE 1:1 SHEET 3 OF 6 REV J	
MATERIAL -		2 PLC ±.005	3 PLC ±.0020			
		4 PLC ±.0020	ANGLES ±°			
		FINISH	-			

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-		SEE SHEET 1	-	-	-

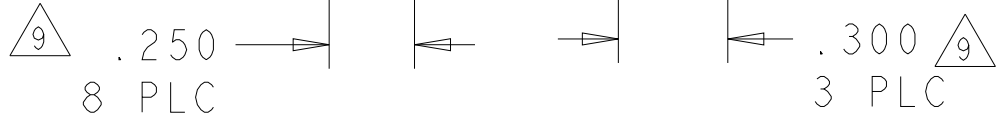
PART NUMBER	ROWS		SIGNAL							POWER							
			6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1		
1-1600616-5	D C B A		E	E	E	E	E	E	RM	RM	RM	RM	RA	RM	RM		
			E	E	E	E	E	E									
			E	E	E	E	E	E									
			E	E	E	E	E	E									
3ACP + 4P + 24S																	



PART NUMBER	ROWS		SIGNAL				POWER												
			4	3	2	1	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	P1	
1-1600616-7	D C B A		E	E	E	E													
			E	E	E	E	RM	RM	RM	RM	RM	RM	RM	RM	RA	RM	RM		
			E	E	E	E													
			E	E	E	E													
3ACP + 9P + 16S																			



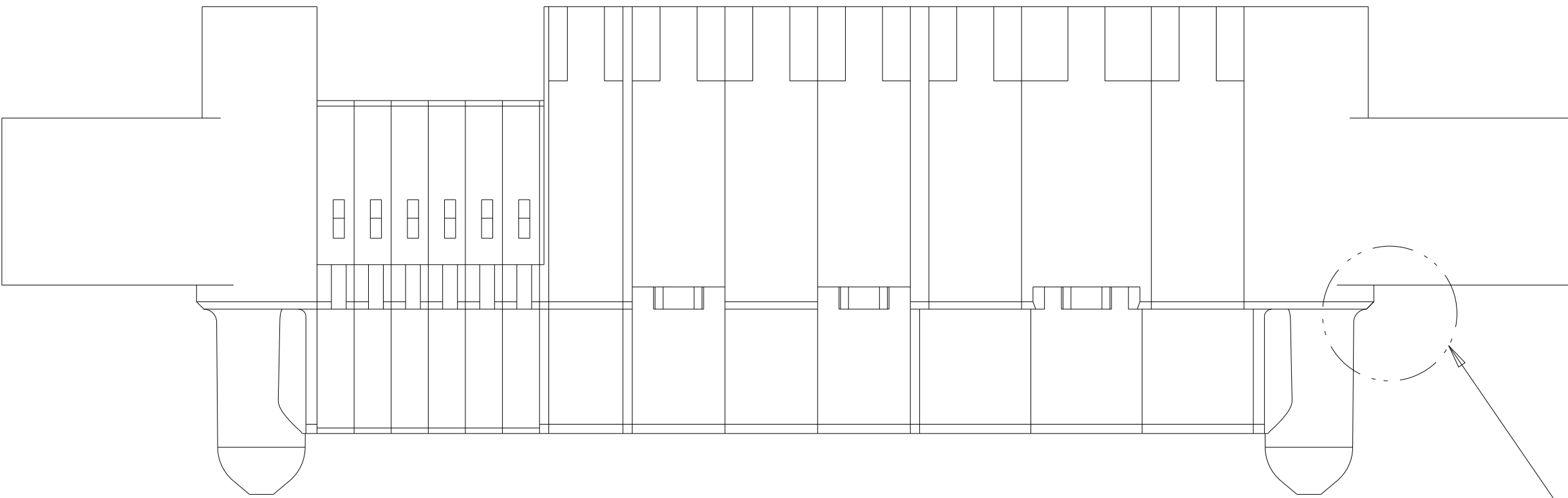
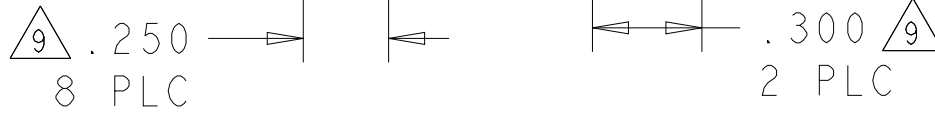
PART NUMBER	ROWS		SIGNAL				POWER													
			4	3	2	1	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	P1		
1-1600616-6	D C B A		E	E	E	E														
			E	E	E	E														
			E	E	E	E	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM		
			E	E	E	E														
3ACP + 9P + 16S																				



PART NUMBER	ROWS		SIGNAL								POWER												
			8	7	6	5	4	3	2	1	PI3	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	
1-1600616-8	D C B A		E	E	E	E	E	E	E	E	RM	RM	RA	RA	RA	RA	RM	RM	RM	RA	RM	RM	RM
			E	E	E	E	E	E	E	E													
			E	E	E	E	E	E	E	E													
			E	E	E	E	E	E	E	E													
4ACP +9HDP + 32S																							

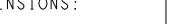


PART NUMBER	ROWS		SIGNAL				POWER																	
			4	3	2	1	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	P1						
2-1600616-0	D C B A		E	E	E	E																		
			E	E	E	E																		
			E	E	E	E																		
			E	E	E	E																		
3ACP + 9P + 16S																								



WITHOUT KEY

FOR THE CONFIGURATION WITHOUT KEY
PART NUMBER: 1-1600616-5, 1-1600616-6

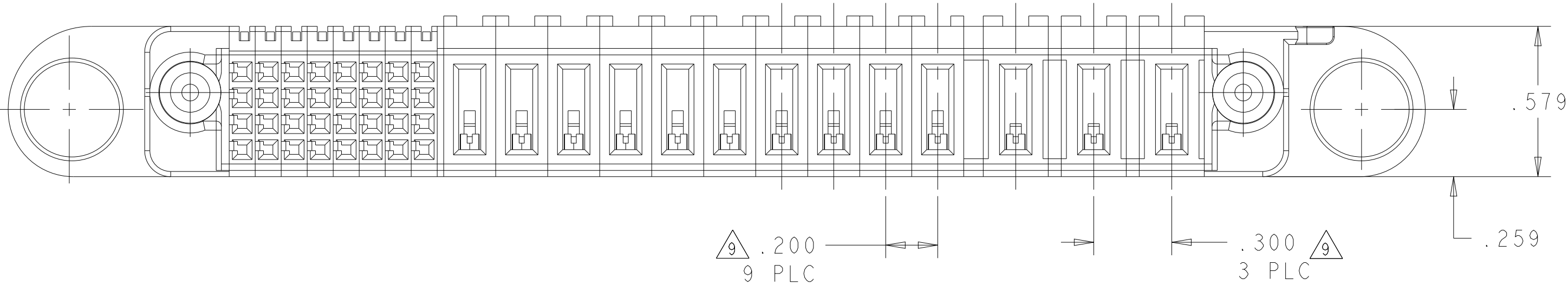
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN	HAMMER	06JUL2004	 TE Connectivity								
			CHK	D.TROUT	09JUL2004									
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2° FINISH	APVD	D.TROUT	-	NAME	PLNEL MOUNT CABLE RECEPTACLE TYPE PS, WITH GUIDES MULTI-BEAM XL							
			PRODUCT SPEC											
MATERIAL			APPLICATION SPEC			SIZE	A1	CAGE CODE	DRAWING NO	RESTRICTED TO				
			114-13112											
CUSTOMER DRAWING			WEIGHT	-	C=1600616									
			SCALE			1:1	SHEET	5	OF	6	REV	J		

LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

PART NUMBER	ROWS		SIGNAL								POWER														
			8	7	6	5	4	3	2	1	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2		P1	
2-1600616-1	D C B A		E	E	E	E	E	E	E	E															
			E	E	E	E	E	E	E	E	RM	RM	RA	RA	RA	RA	RM	RM	RM	RA	RM	RM	RM		
			E	E	E	E	E	E	E	E															
			E	E	E	E	E	E	E	E															
4ACP +9HDP + 32S																									

.200
9 PLC

.300
3 PLC



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
HAMMER

06JUL2004

DIMENSIONS:

INCHES

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

±"

±.01

±.005

±.0020

±2°

-

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

CHK
D.TROUT

09JUL2004

APVD
D.TROUT

-

PRODUCT SPEC

108-2157

APPLICATION SPEC

114-13112

MATERIAL

-

WEIGHT

-

CUSTOMER DRAWING

NAME

PLNEL MOUNT CABLE RECEPTACLE
TYPE PS, WITH GUIDES
MUTLI-BEAM XL

SIZE

CAGE CODE

DRAWING NO

A100779

C=1600616

RESTRICTED TO

TE Connectivity

SCALE

1:1

SHEET

6

OF

6

REV

J