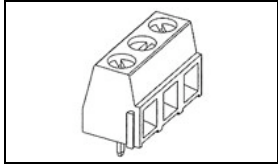# 282836-2 Product Details

282836-2

TE Internal Number: 282836-2

✔ Active

Terminal Block Connectors

🍃 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Type of Connector = Wire Receptacle
- Housing Color = Green
- Side Stackable
- Without Screw Flange

Documentation & Additional Information

Product Drawings:
- TERMINAL BLOCK, PCB MOUNT, SIDE WIRE ENTRY, STACKING... (PDF, English)

Catalog Pages/Data Sheets:
- 1-1773458-1_EURO_STYLE_TERMINAL_BLOCKS_QRG (PDF, English)
- BUCHANAN TERMINAL BLOCKS CATALOG - EUROSTYLE TERMINA... (PDF, English)
- Eurostyle Terminal Blocks Focus Product Stock List (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- Terminal Block Stacking Connectors (PDF, English)

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version H)
- 3D Model (IGES, Version H)
- 3D Model (STEP, Version H)

Additional Information:
- Product Line Information

Related Products:
- Tooling

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Type = Connector
- Type of Connector = Wire Receptacle
- Mount Angle = Vertical
- Screw Size = M3

Electrical Characteristics:
- Amperes (A) = 13.5
- Voltage (VAC) = 300

Dimensions:
- PCB Tail Length (mm [in]) = 3.50 [0.138]

Body Features:
- Side Stackable = Yes
- Wire Entry Diameter (Solid Wire) (mm²) = 0.03 – 1.50
- Wire Entry Diameter (Stranded Wire) (mm²) = 0.03 – 1.00
- Wire Entry Angle = Side
- Closed End = Without
- Stacked Levels = Without
- Interlock = With
- Wire Range (mm [AWG]) = 0.05-1.40² [30-16]
- Screw Material = Brass
- Screw Plating = Nickel

Contact Features:
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Tin

Housing Features:
- Housing Color = Green
- Centerline (mm [in]) = 5.00 [0.197]
- Housing Material = Polyamide 6.6 GF
- UL Flammability Rating = UL 94V-0

Configuration Features:
- Screw Flange = Without
- Number of Positions = 2

Industry Standards:
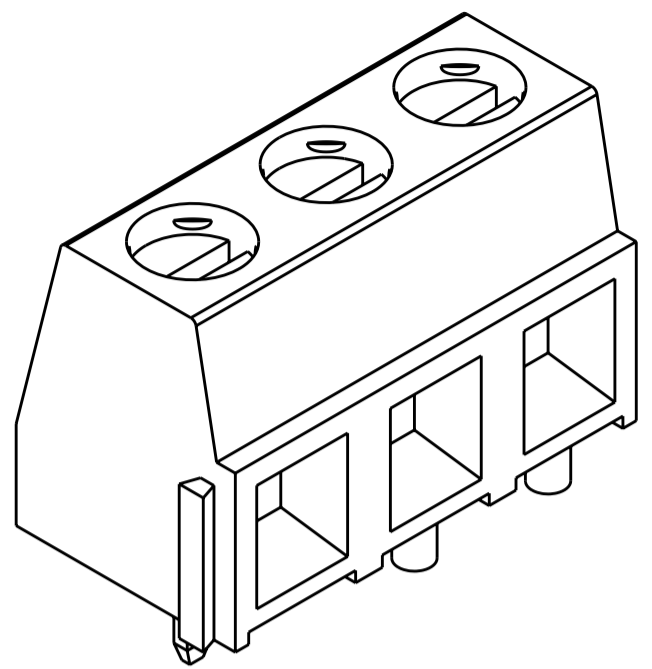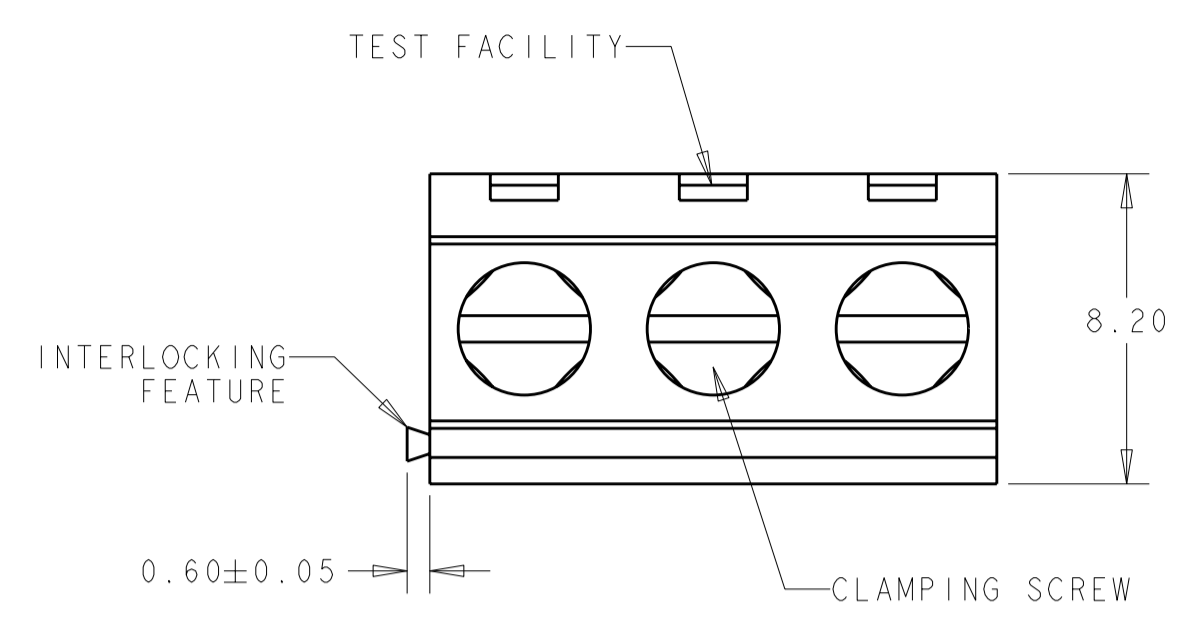- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C
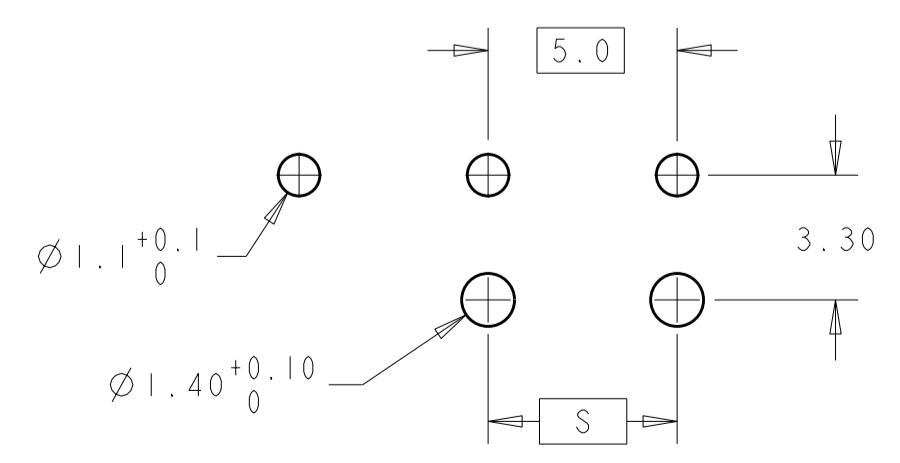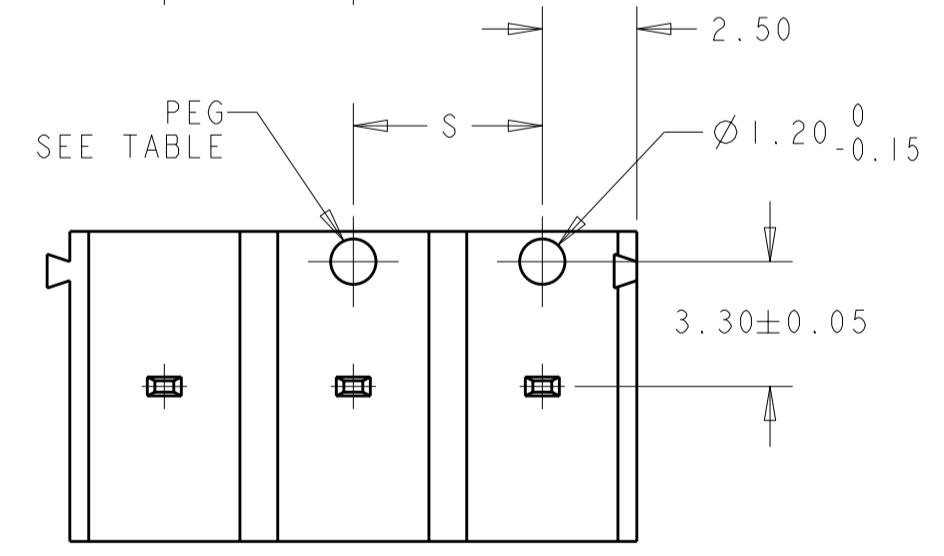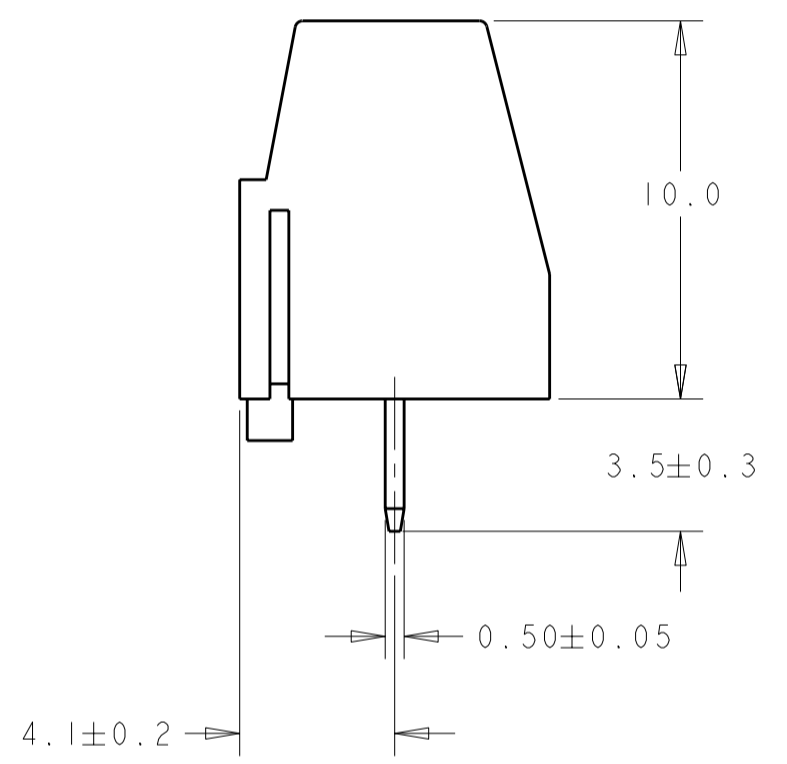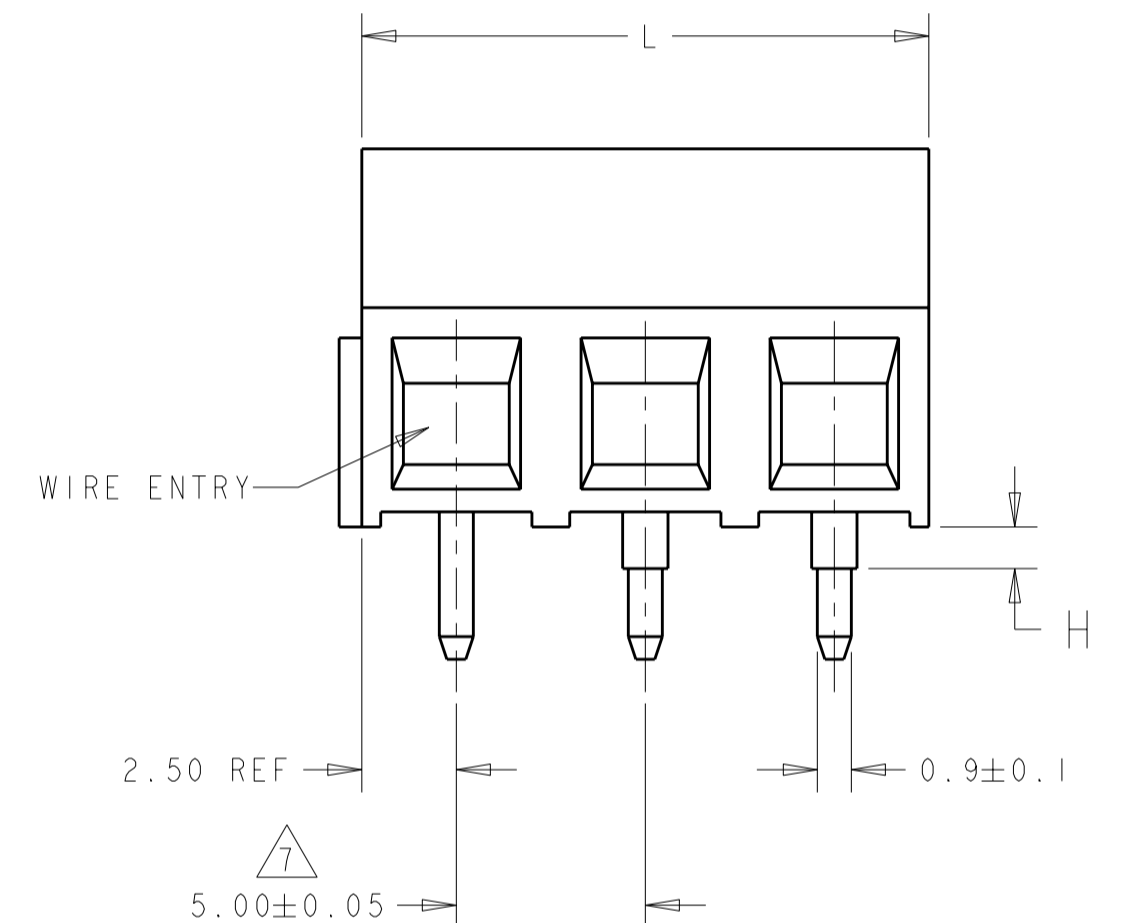- RoHS/ELV Compliance History = Always was RoHS compliant

Other:
- Brand = Buchanan
- Comment = 10A Field Wiring

			REVISIONS			
LOC FT	DIST 0	P	LTR	DESCRIPTION	DATE	DWN	APVD
			H9	REVISED PER ECO-10-024761	09DEC2010	HMR	CR

TEST FACILITY

INTERLOCKING FEATURE

8.20

0.60±0.05

CLAMPING SCREW

SEE SHEET 2

L

WIRE ENTRY

H

2.50 REF

0.9±0.1

⟨7⟩

5.00±0.05

10.0

3.5±0.3

0.50±0.05

4.1±0.2

2.50

PEG
SEE TABLE

S

Ø1.20 0 -0.15

3.30±0.05

5.0

Ø1.1 +0.1 0

Ø1.40 +0.10 0

3.30

S

PEG

RECOMMENDED PC BOARD LAYOUT

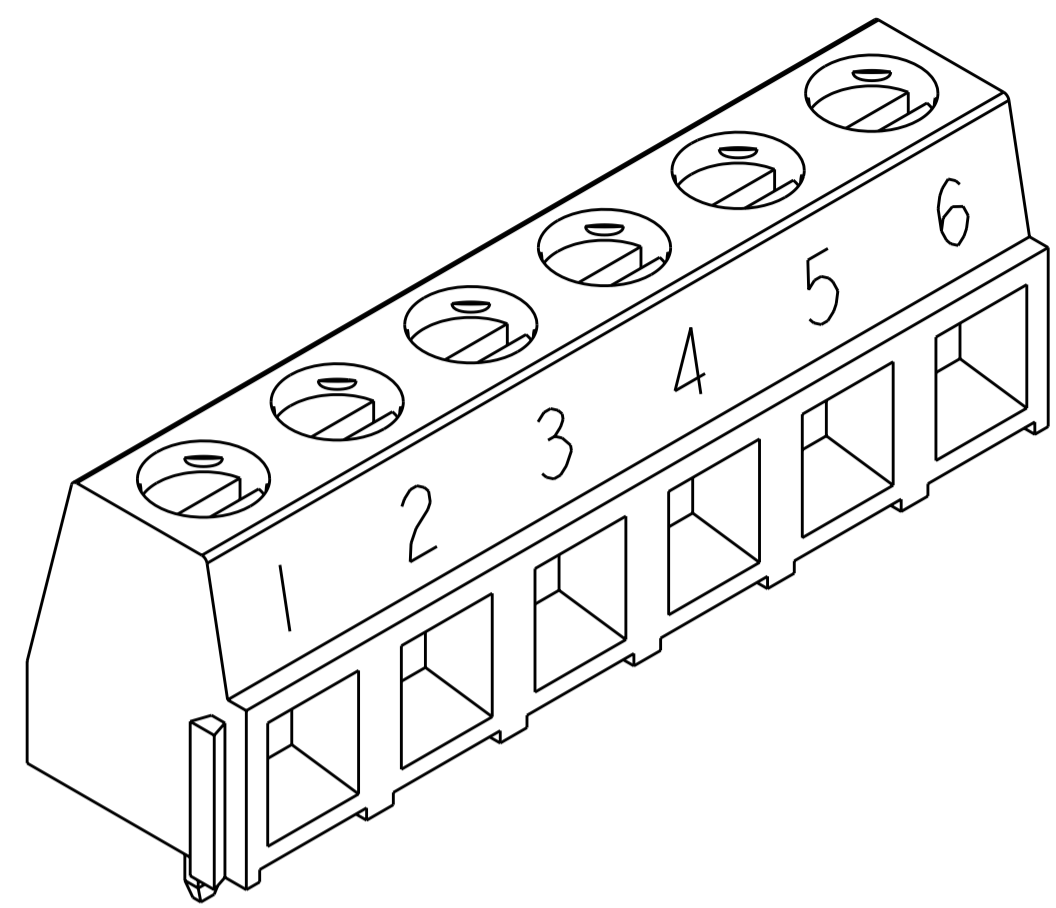| QTY	S	H	MARKING ⟨8⟩	L	NO OF POSN	PART NUMBER
1	N/A	3.5	-	35	7	3-282836-7
1	N/A	3.5	SEE SHEET 2	15	3	3-282836-5
1	N/A	3.5	-	30	6	3-282836-4
1	N/A	3.5	-	25	5	3-282836-3
1	N/A	3.5	-	20	4	3-282836-2
1	N/A	3.5	-	10	2	3-282836-1
1	N/A	3.5	-	40	8	3-282836-0
1	N/A	3.5	-	45	9	2-282836-8
0	N/A	N/A	SEE SHEET 2	30	6	2-282836-7
0	N/A	N/A	-	125	25	2-282836-6
0	N/A	N/A	-	120	24	2-282836-5
0	N/A	N/A	-	115	23	2-282836-4
0	N/A	N/A	-	110	22	2-282836-3
0	N/A	N/A	-	105	21	2-282836-2
0	N/A	N/A	-	100	20	2-282836-1
0	N/A	N/A	-	95	19	2-282836-0
0	N/A	N/A	-	90	18	1-282836-9
0	N/A	N/A	-	85	17	1-282836-8
0	N/A	N/A	-	80	16	1-282836-7
0	N/A	N/A	-	75	15	1-282836-6
0	N/A	N/A	-	70	14	1-282836-5
0	N/A	N/A	-	65	13	1-282836-4
0	N/A	N/A	SEE SHEET 2	10	2	1-282836-3
0	N/A	N/A	-	60	12	1-282836-2
0	N/A	N/A	-	55	11	1-282836-1
0	N/A	N/A	-	50	10	1-282836-0
0	N/A	N/A	-	45	9	282836-9
0	N/A	N/A	-	40	8	282836-8
0	N/A	N/A	-	35	7	282836-7
0	N/A	N/A	-	30	6	282836-6
0	N/A	N/A	-	25	5	282836-5
0	N/A	N/A	-	20	4	282836-4
0	N/A	N/A	-	15	3	282836-3
0	N/A	N/A	-	10	2	282836-2
2	5.0	1.1	-	10	2	282836-1

DWN S. WELDON 28SEP2007
CHK C.RICHARD 28SEP2007
APVD C.RICHARD 28SEP2007

≡ Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±0.2
2 PLC ±0.15
3 PLC ±0.000
4 PLC ±0.0000
ANGLES ±2°

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

NAME
TERMINAL BLOCK, PCB MOUNT,
SIDE WIRE ENTRY, STACKING
WITH INTERLOCK, 5.00mm PITCH

MATERIAL ⟨1⟩ -
FINISH -

CUSTOMER DRAWING

SIZE A2 | CAGE CODE 00779 | DRAWING NO C-282836 | RESTRICTED TO -
SCALE 4:1 | SHEET 1 OF 2 | REV H9

LOC FT   DIST 0

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-
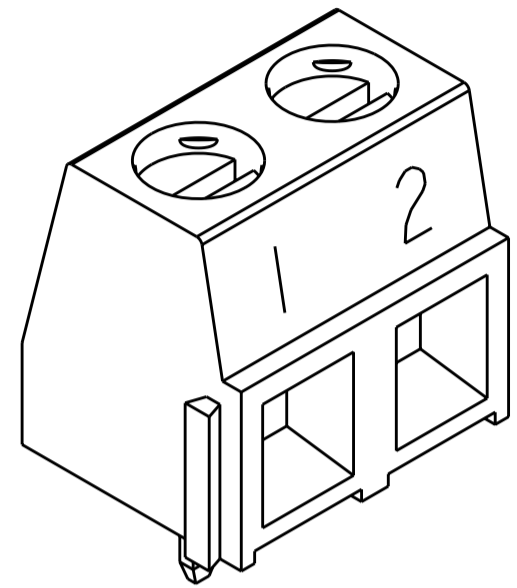
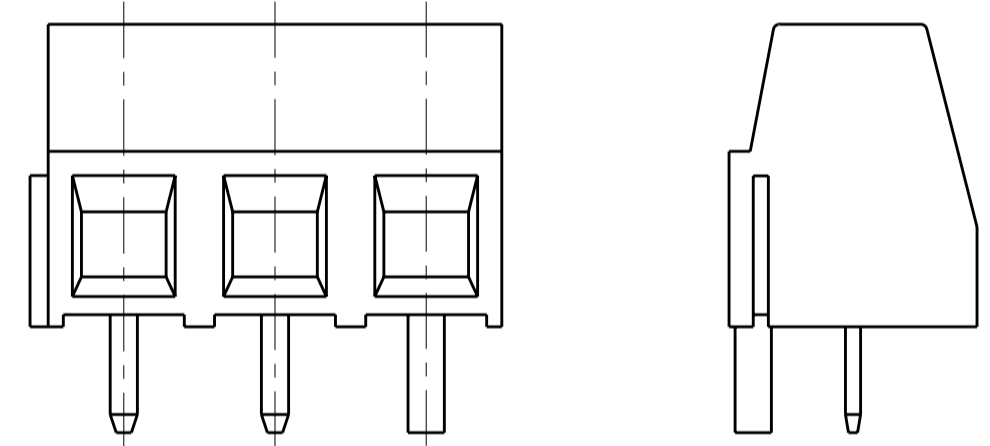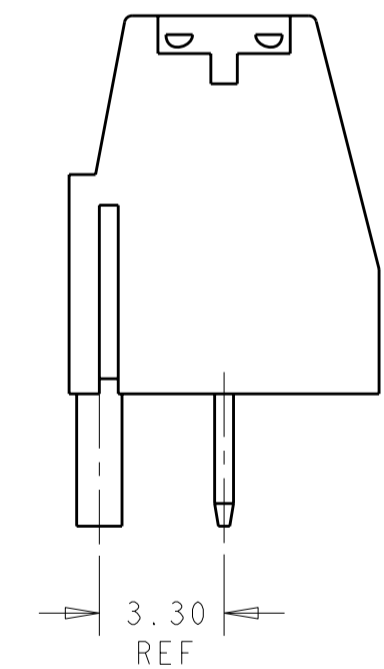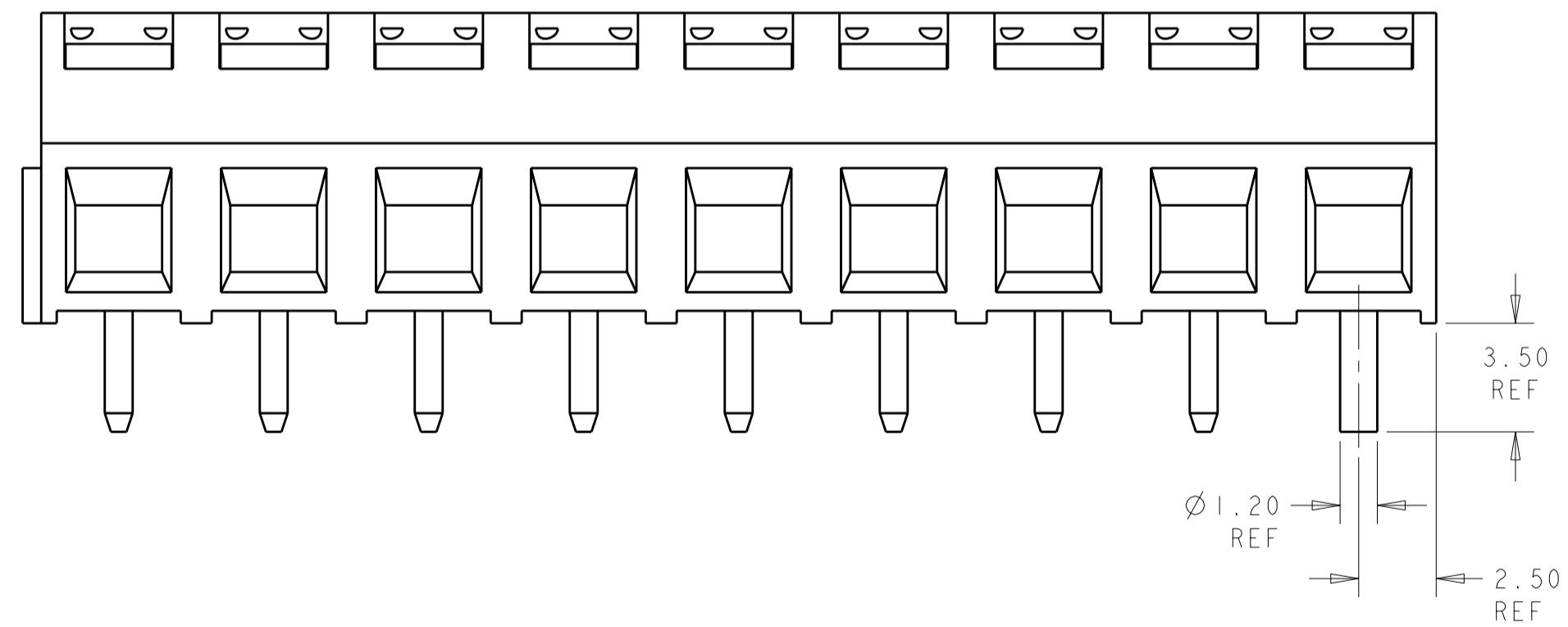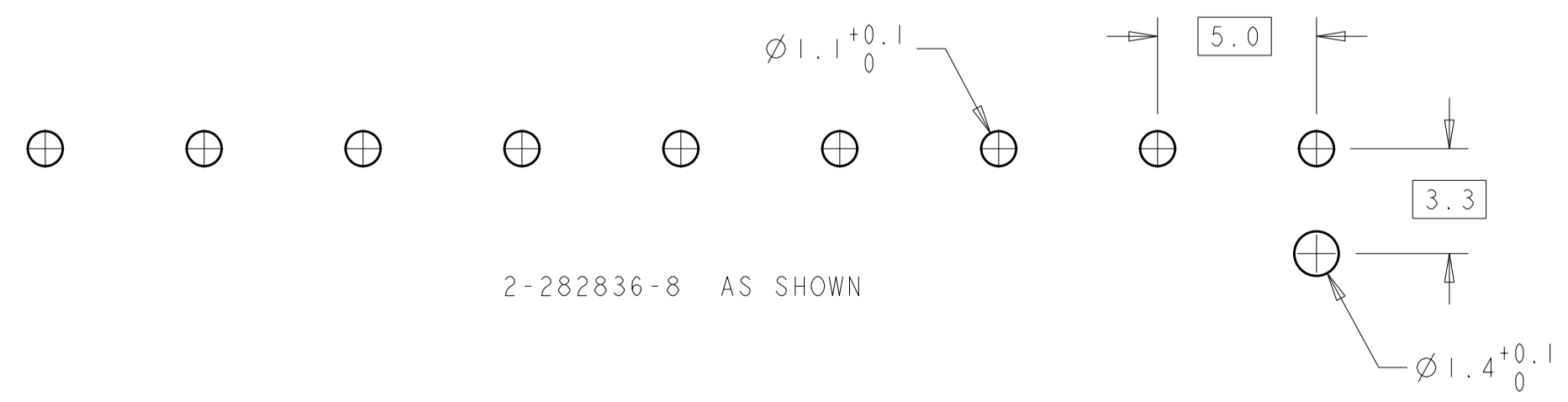1-282836-3 AS SHOWN

2-282836-7 AS SHOWN

△1 MATERIAL AND FINISH
HOUSING: PA 6-6, U; 94V-O RATED, COLOR: GREEN.
CLAMP: BRASS, NICKEL PLATED.
TERMINAL: BRASS, TIN PLATED.
CLAMPING SCREW: M3, BRASS, NICKEL PLATED.

2. SUITABLE FOR 1.6-2.4mm PC BOARD THICKNESS.

3. END-TO-END STACKABLE W/INTERLOCK WITHOUT LOSS
OF CENTERLINE SPACING.

4. WIRE SIZE RANGE: 16-30 AWG

5. RECOGNIZED UNDER THE COMPONENT PROGRAM OF
UNDERWRITERS LABORATORIES INC. FILE No E60677.

6. IMQ CERTIFICATE WITH SURVEILLANCE IN CONFORMITY
WITH IEC 998-1/998-1-1.

△7 NOT CUMULATIVE TOLERANCE.

△8 INK MARKING, WHITE COLOR, UNLESS OTHERWISE SPECIFIED.
NUMERICAL SEQUENCE FROM LEFT TO RIGHT, UNLESS OTHERWISE SPECIFIED.

3.50 REF

Ø1.20 REF

2.50 REF

3.30 REF

3-282836-5 AS SHOWN

Ø1.1 +0.1 / 0

5.0

3.3

2-282836-8 AS SHOWN

Ø1.4 +0.1 / 0

DWN	S.WELDON	28SEP2007
CHK	C.RICHARD	28SEP2007
APVD	C.RICHARD	28SEP2007

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME

DIMENSIONS: mm

TOLERANCES UNLESS
OTHERWISE SPECIFIED:
0 PLC   ±-
1 PLC   ±0.2
2 PLC   ±0.15
3 PLC   ±0.000
4 PLC   ±0.0000
ANGLES   ±-

PRODUCT SPEC
-
APPLICATION SPEC
-

MATERIAL
-
FINISH
-
WEIGHT
-

TERMINAL BLOCK, PCB MOUNT,
SIDE WIRE ENTRY, STACKING
WITH INTERLOCK, 5.00mm PITCH

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
| A2 | 00779 | C-282836 | - |

CUSTOMER DRAWING

SCALE 5:1   SHEET 2 OF 2   REV H9