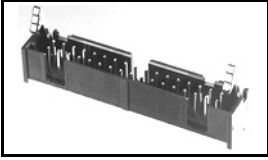


2-1761606-6 Product Details

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2-1761606-6

TE Internal Number: 2-1761606-6

Active

[View 3D PDF](#)

AMP-LATCH Pin and Pinless Headers

Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Header
- Header Type = Pin Header
- AMP-LATCH Product Line
- Low Profile
- 16 Positions

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [HEADER ASSEMBLY, VERTICAL, LONG EJECT LATCH, LOW PRO...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [AMP-LATCH and IDC Header Connectors, .100 x .100 Inc...](#) (PDF, English)

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version G)
- [3D Model](#) (IGES, Version G)
- [3D Model](#) (STEP, Version G)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(4\)](#)

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

Product Type Features:

- Connector Type = Header
- Product Line = AMP-LATCH
- Profile = Low
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = Without
- Mating Connector Lock = Without
- Ejection Latches = With
- Post Size (mm [in]) = 0.64 [.025]

Termination Features:

- [Termination Post Length \(mm \[in\]\)](#) = 2.60 [0.102]

Dimensions:

- [Shrouded] End Dimension (mm [in]) = 3.81 [0.150]

Housing Features:

- [Centerline, Matrix \(mm \[in\]\)](#) = 2.54 x 2.54 [.100 x .100]
- [Mating Alignment Type](#) = Center, Military
- [Housing Style](#) = 4-Sided
- Mating Alignment = With
- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0
- Housing Color = Blue

Configuration Features:

- [Number of Positions](#) = 16
- Shrouded = Yes

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant

Body Features:

- Header Type = Pin Header
- Daisy Chain = With

Contact Features:

- [Contact Plating](#), [Mating Area](#), [Material](#) = Gold Flash over Palladium Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze
- Solder Tail Contact Plating = Tin over Nickel

- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:

- [Temperature Rating](#) = Standard

Other:

- Brand = AMP

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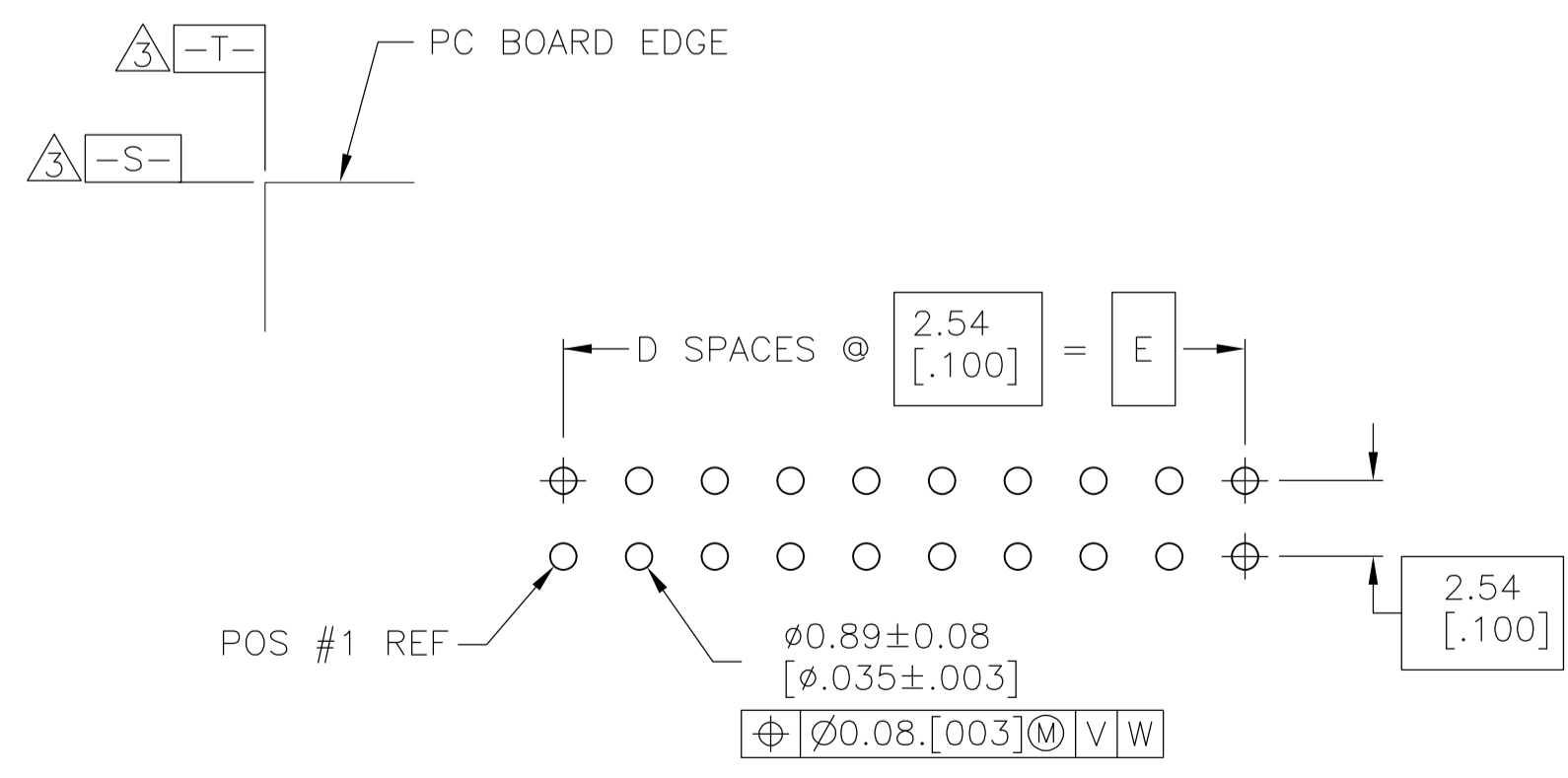
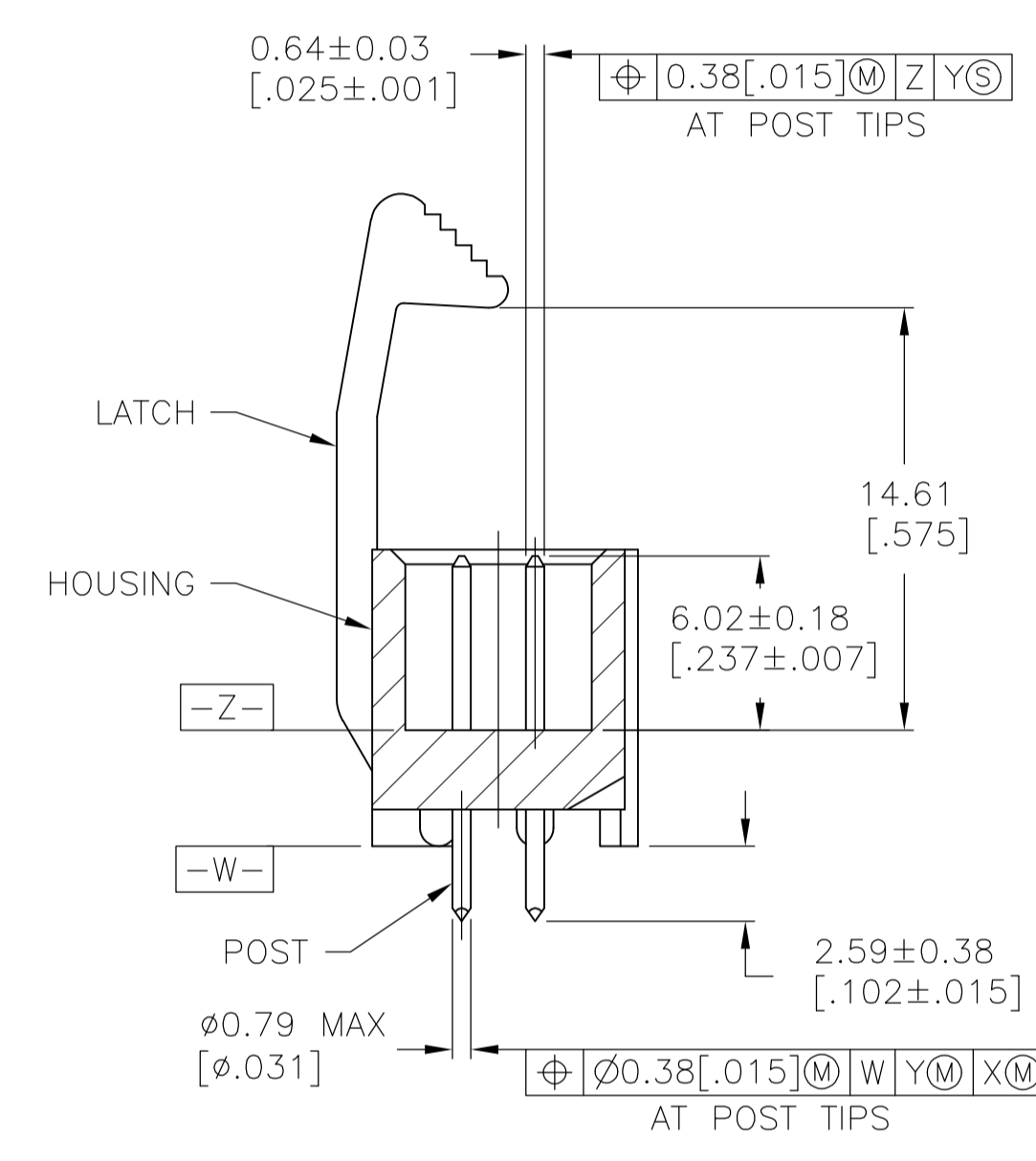
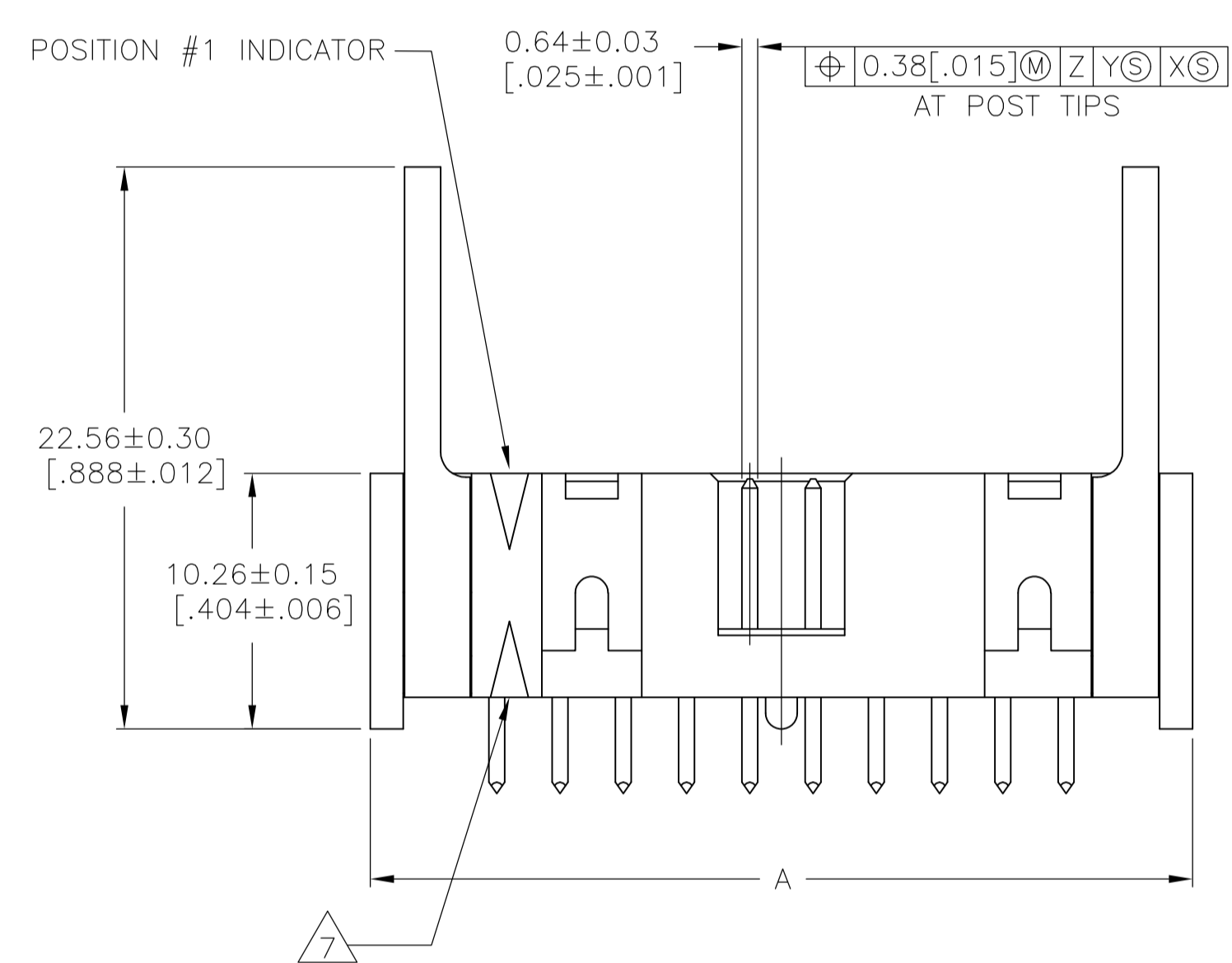
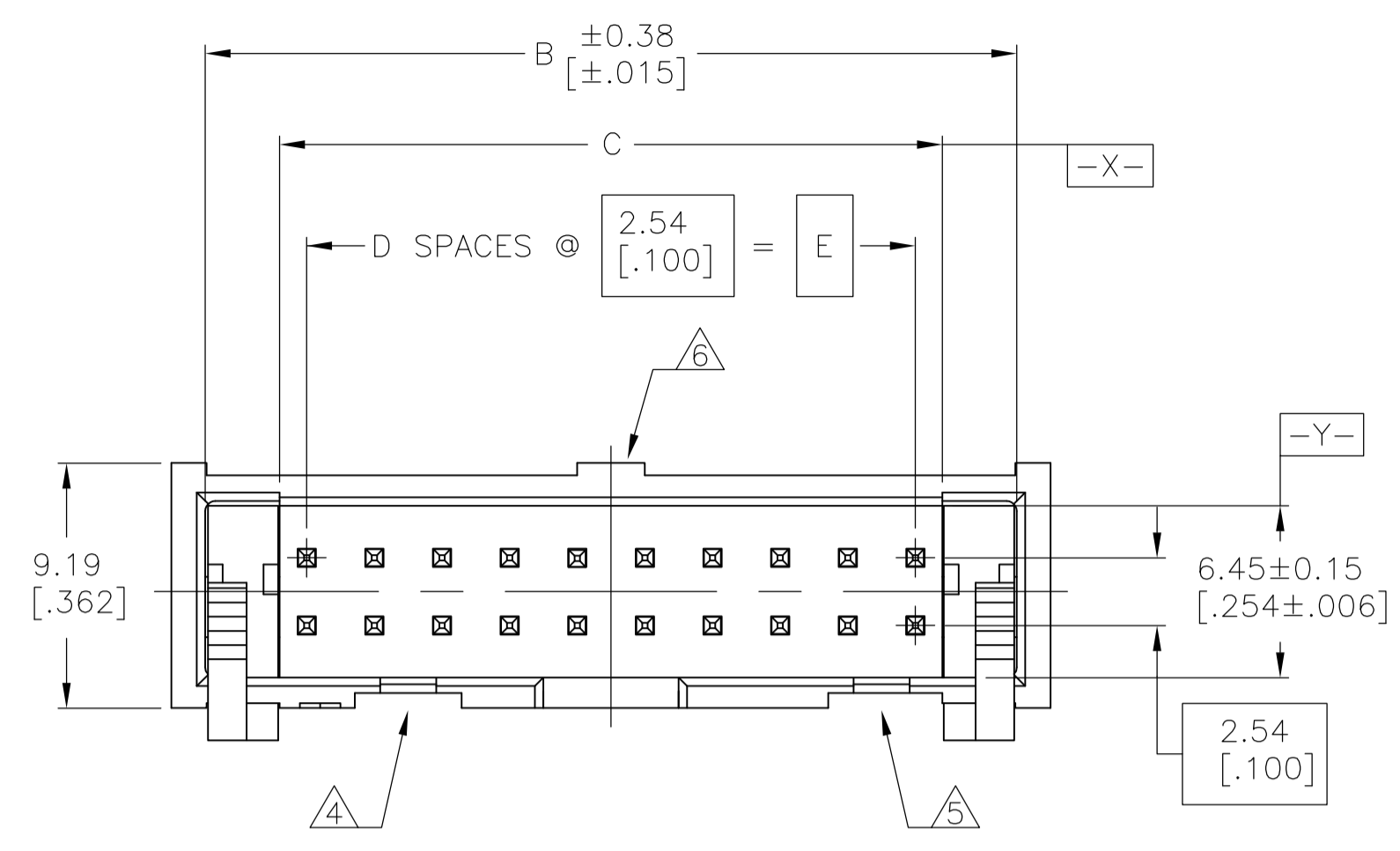
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Keep Me Informed



RECOMMENDED PC BOARD LAYOUT (VIEWED FROM CONNECTOR SIDE)

- △ HOUSING: PBT, UL94V-0, COLOR (SEE TABLE).
POSTS: PHOSPHOR BRONZE.
LATCHES: ZINC ALLOY.
- △ POSTS: GOLD FLASH OVER PALLADIUM-NICKEL PLATE, $0.76\mu\text{m}$ [$.000030$] MIN TOTAL ON MATING AREA, $2.54\mu\text{m}$ [$.000100$] MIN TIN PLATE ON SOLDER-TAIL, ALL OVER $1.27\mu\text{m}$ [$.000050$] MIN NICKEL UNDERPLATE ON ENTIRE POST.
OR
 $0.76\mu\text{m}$ [$.000030$] MIN GOLD PLATE ON MATING AREA, $2.54\mu\text{m}$ [$.000100$] MIN TIN PLATE ON THE SOLDER-TAIL, $1.27\mu\text{m}$ [$.000050$] MIN NICKEL UNDERPLATE ON THE ENTIRE POST.
LATCHES: BLACK NICKEL OVER COPPER.
- △ DATUMS S & T TO BE ESTABLISHED BY CUSTOMER.
- △ NO KEYING SLOT ON THIS END FOR 6, 8, 10, 12 & 14 POSITION ASSEMBLIES.
- △ NO KEYING SLOT ON THIS END FOR 6, 8 & 10 POSITION ASSEMBLIES.
- △ NO STANDOFF FOR 6, 8, 10, 12, 14 & 16 POSITION ASSEMBLIES.
- △ ALTERNATE LOCATION/ORIENTATION OF POSITION #1 INDICATOR

HOUSING COLOR	E	D	C	B	A	NO OF POS	PART NUMBER
BLUE	78.74 [3.100]	31	80.77 [3.180]	86.26 [3.396]	88.90 [3.500]	64	3-1761606-7
BLUE	73.66 [2.900]	29	75.69 [2.980]	81.18 [3.196]	83.82 [3.300]	60	3-1761606-6
BLUE	60.96 [2.400]	24	62.99 [2.480]	68.48 [2.696]	71.12 [2.800]	50	3-1761606-5
BLUE	48.26 [1.900]	19	50.29 [1.980]	55.78 [2.196]	58.42 [2.300]	40	3-1761606-3
OBSOLETE	43.18 [1.700]	17	45.21 [1.780]	50.70 [1.996]	53.34 [2.100]	36	3-1761606-2
BLUE	40.64 [1.600]	16	42.67 [1.680]	48.16 [1.896]	50.80 [2.000]	34	3-1761606-1
OBSOLETE	35.56 [1.400]	14	37.59 [1.480]	43.08 [1.696]	45.72 [1.800]	30	3-1761606-0
BLUE	30.48 [1.200]	12	32.51 [1.280]	38.00 [1.496]	40.64 [1.600]	26	2-1761606-9
BLUE	27.94 [1.100]	11	29.97 [1.180]	35.46 [1.396]	38.10 [1.500]	24	2-1761606-8
BLUE	22.86 [0.900]	9	24.89 [0.980]	30.38 [1.196]	33.02 [1.300]	20	2-1761606-7
BLUE	17.78 [0.700]	7	19.81 [0.780]	25.30 [0.996]	27.94 [1.100]	16	2-1761606-6
BLUE	15.24 [0.600]	6	17.27 [0.680]	22.76 [0.896]	25.40 [1.000]	14	2-1761606-5
OBSOLETE	12.70 [0.500]	5	14.73 [0.580]	20.22 [0.796]	22.86 [0.900]	12	2-1761606-4
BLUE	10.16 [0.400]	4	12.19 [0.480]	17.68 [0.696]	20.32 [0.800]	10	2-1761606-3
BLUE	7.62 [0.300]	3	9.65 [0.380]	15.14 [0.596]	17.78 [0.700]	8	2-1761606-2
BLUE	5.08 [0.200]	2	7.11 [0.280]	12.60 [0.496]	15.24 [0.600]	6	2-1761606-1
BLACK	73.66 [2.900]	29	75.69 [2.980]	81.18 [3.196]	83.82 [3.300]	60	1-1761606-6
BLACK	60.96 [2.400]	24	62.99 [2.480]	68.48 [2.696]	71.12 [2.800]	50	1-1761606-5
BLACK	48.26 [1.900]	19	50.29 [1.980]	55.78 [2.196]	58.42 [2.300]	40	1-1761606-3
BLACK	40.64 [1.600]	16	42.67 [1.680]	48.16 [1.896]	50.80 [2.000]	34	1-1761606-1
BLACK	35.56 [1.400]	14	37.59 [1.480]	43.08 [1.696]	45.72 [1.800]	30	1-1761606-0
BLACK	30.48 [1.200]	12	32.51 [1.280]	38.00 [1.496]	40.64 [1.600]	26	1761606-9
BLACK	27.94 [1.100]	11	29.97 [1.180]	35.46 [1.396]	38.10 [1.500]	24	1761606-8
BLACK	22.86 [0.900]	9	24.89 [0.980]	30.38 [1.196]	33.02 [1.300]	20	1761606-7
BLACK	17.78 [0.700]	7	19.81 [0.780]	25.30 [0.996]	27.94 [1.100]	16	1761606-6
BLACK	15.24 [0.600]	6	17.27 [0.680]	22.76 [0.896]	25.40 [1.000]	14	1761606-5
BLACK	10.16 [0.400]	4	12.19 [0.480]	17.68 [0.696]	20.32 [0.800]	10	1761606-3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± -	2 PLC ± -	3 PLC ± 0.13 [0.005]	4 PLC ± -	ANGLES ± -
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MATERIAL: △ FINISH: △

APPROVED: J. GERACE, S. BOLASH, M. WALMSLEY

NAME: HEADER ASSEMBLY, VERTICAL, LONG EJECT LATCH, LOW PROFILE, IDC

SIZE: A1 CAGE CODE: 00779 DRAWING NO: 1761606

WEIGHT: -

CUSTOMER DRAWING SCALE: 4:1 SHEET 1 OF 1 REV: G1