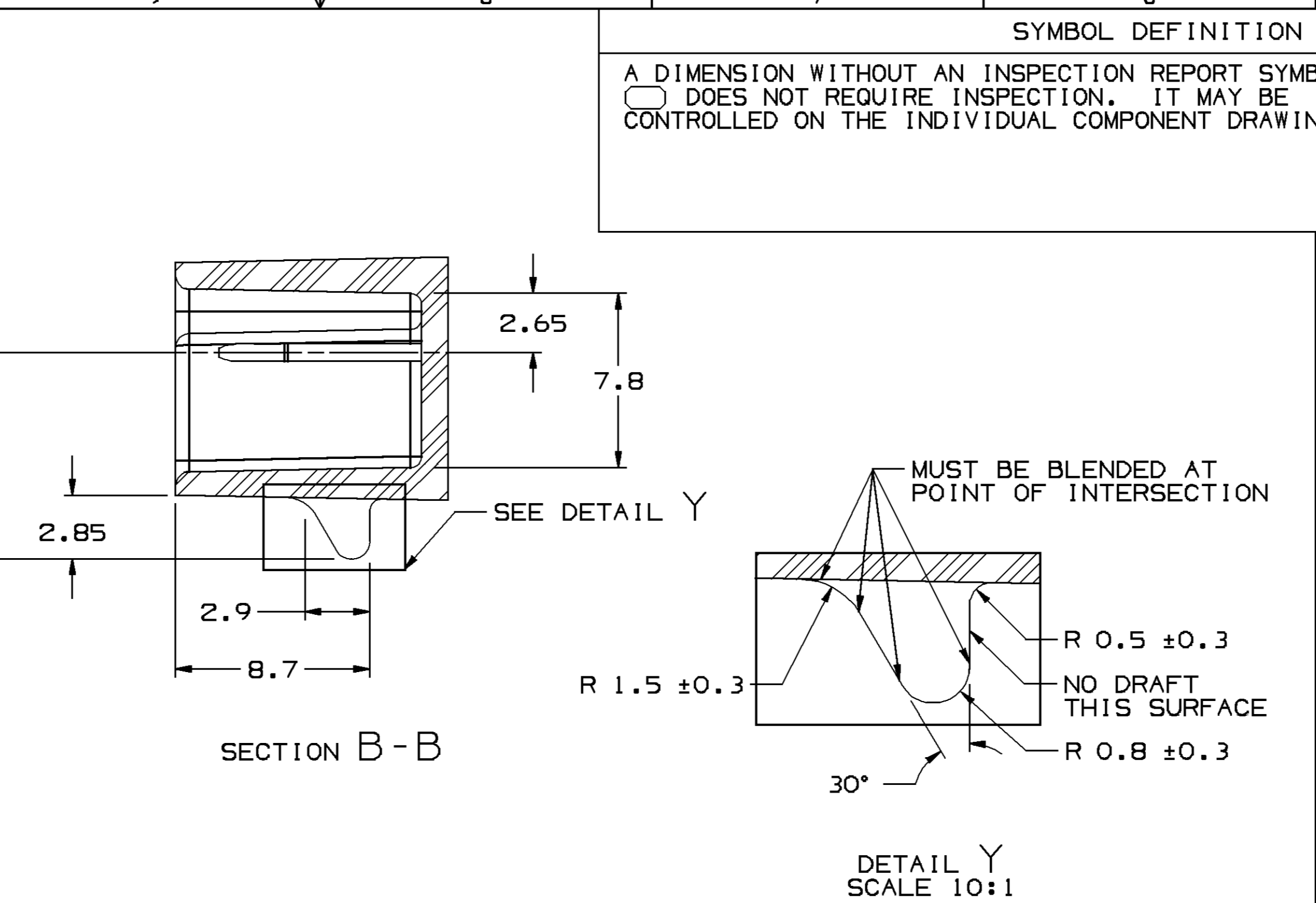
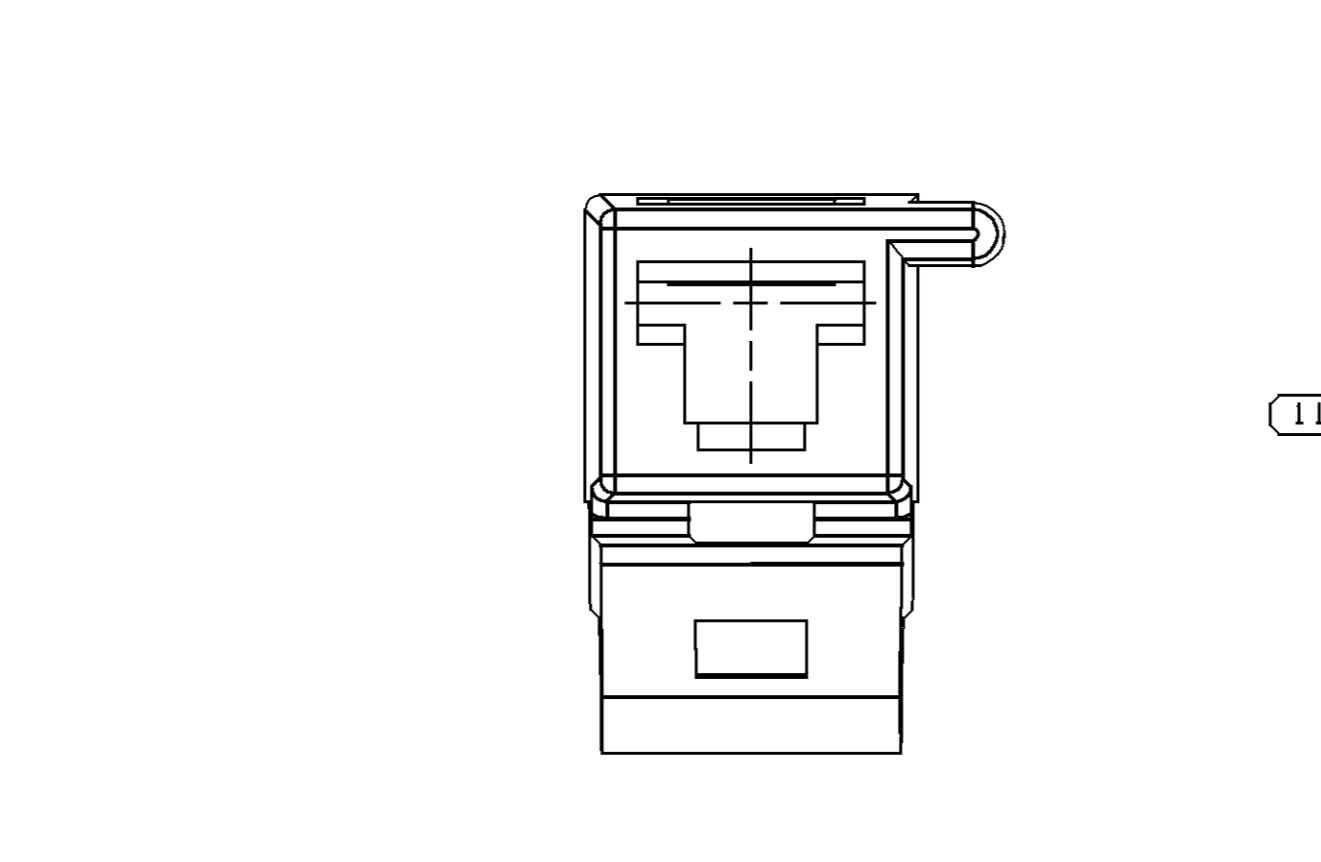
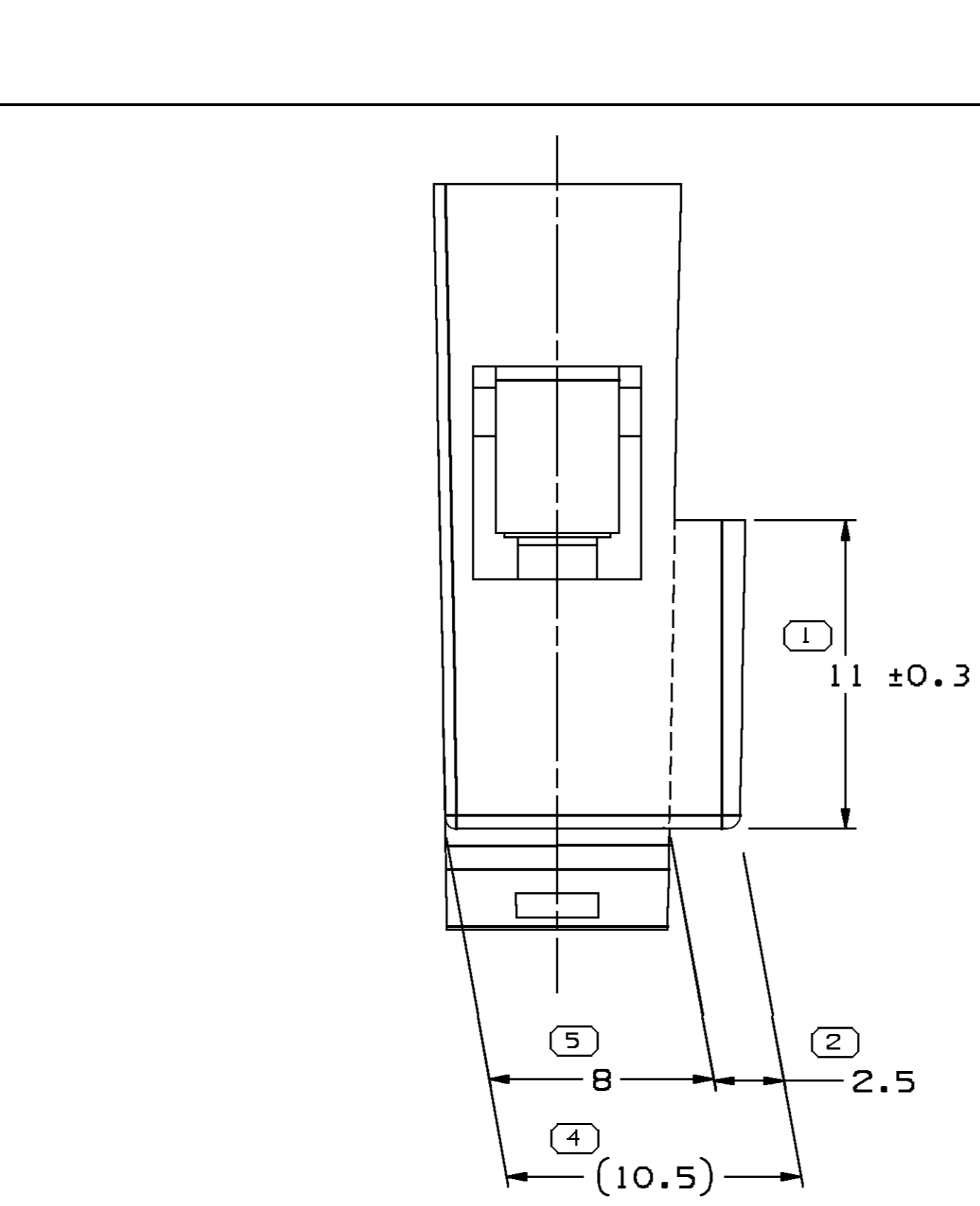
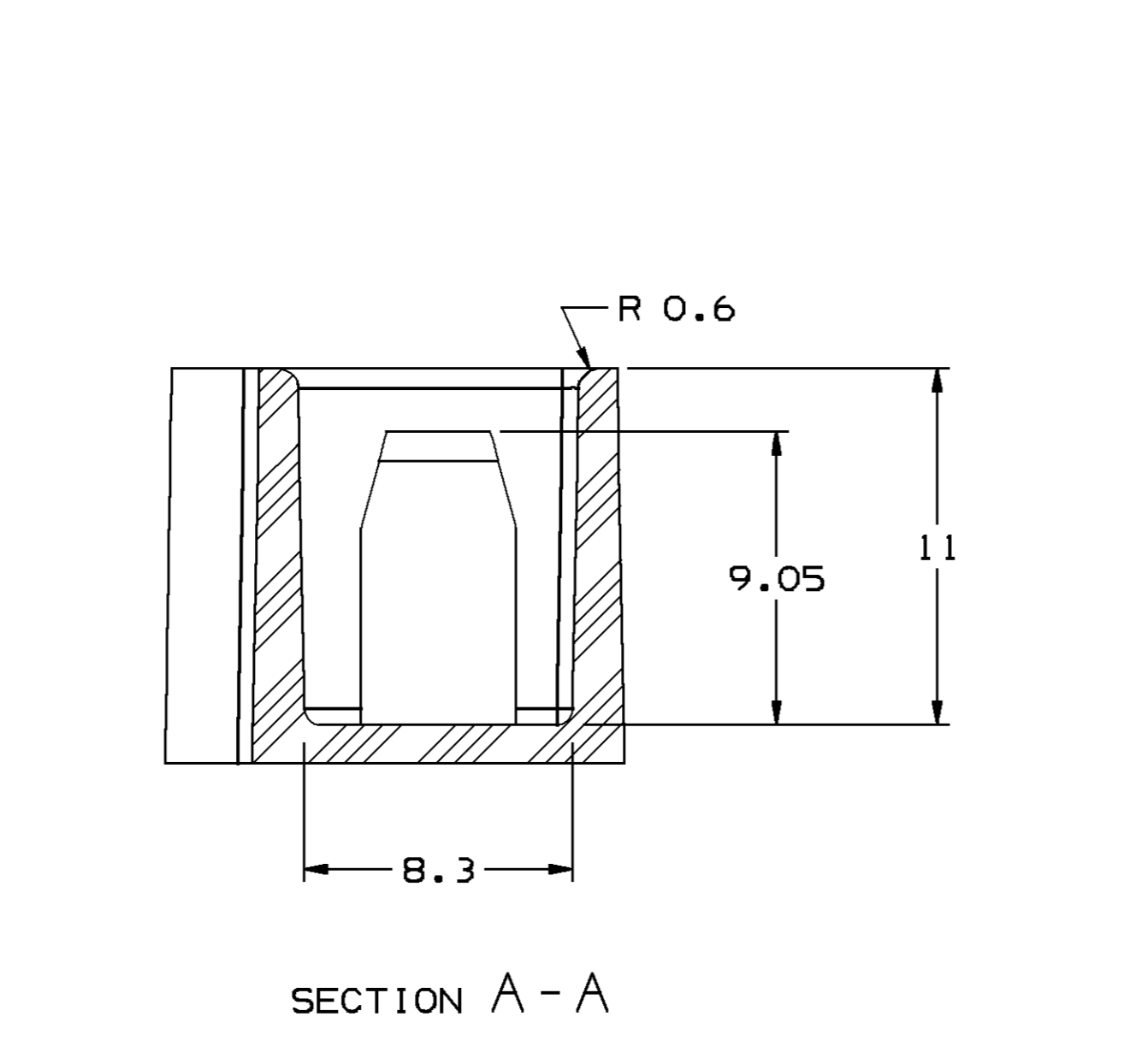
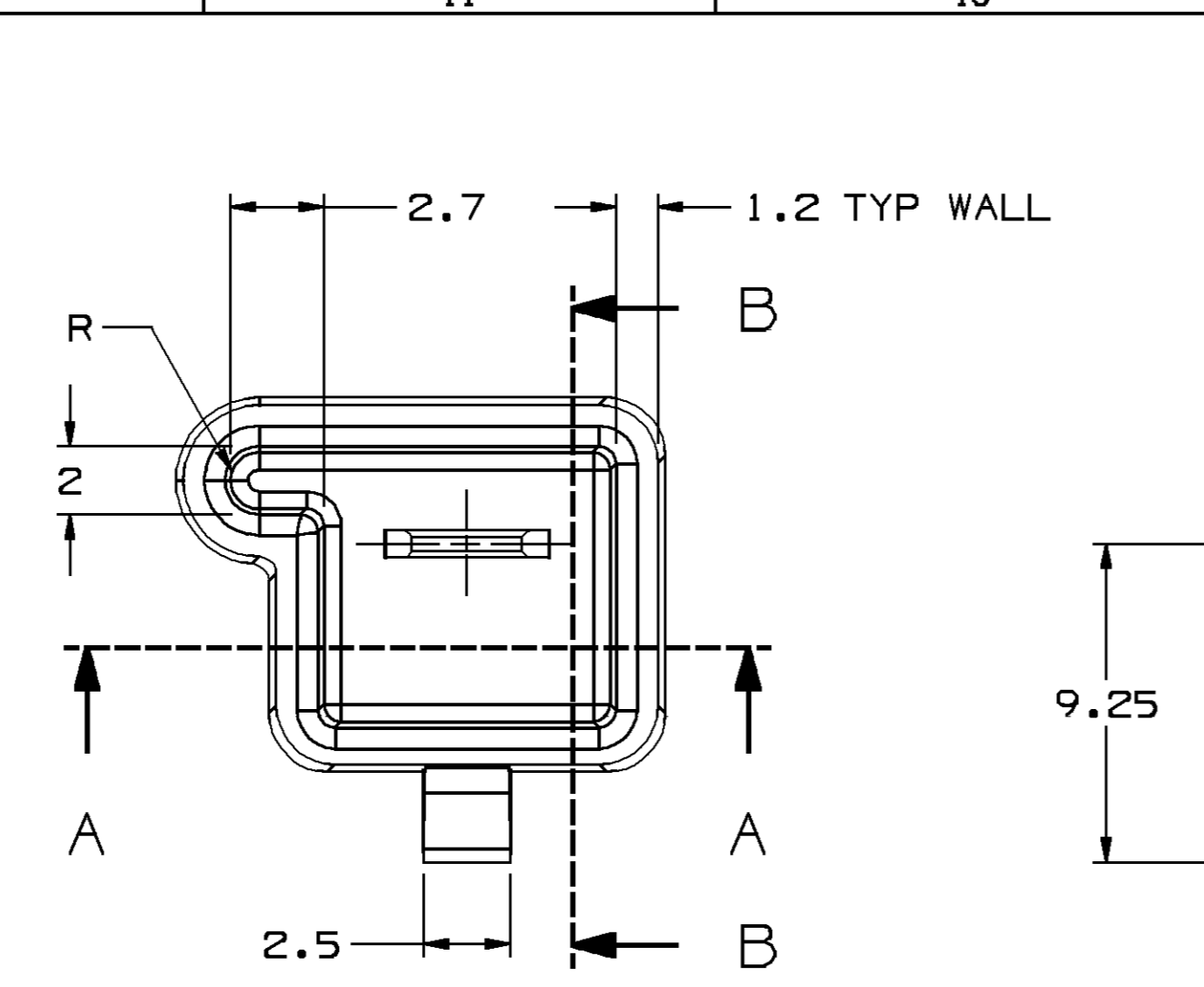


● THESE DIMENSIONS ARE CRITICAL TO THE MECHANICAL AND ELECTRICAL PERFORMANCE OF THE CONNECTION SYSTEM.

### MATERIAL SPECIFICATIONS

- RECOMMENDED**
- BASE METAL - CDA-210, EXTRA SPRING TEMPER
- TIN PLATING (WHERE APPLICABLE TO 125°C MAX CONTINUOUS USAGE): 0.0050±0.0025 MM (200±100 μIN) ELECTROPLATED TIN.
  - USAGE OF PLATING TYPES OTHER THAN RECOMMENDED MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.
- MINIMUMS**
- ELECTRICAL CONDUCTIVITY - ≥28% IACS AT 20 °C. USE OF A MATERIAL WITH CONDUCTIVITY <28% IACS MUST BE APPROVED BY PACKARD ELECTRIC MATERIALS ENGINEERING.
- TENSILE STRENGTH - 430 - 480 MPa
- UNDERPLATING FOR TIN PLATING - FOR BASE MATERIALS CONTAINING 10% OR MORE ZINC, AN UNDERPLATE OF COPPER 0.0025 MM (100 μIN) MINIMUM THICK IS REQUIRED.
- PROCESSING LUBRICANT - ANY PROCESSING LUBRICANT REMAINING ON TERMINALS MUST NOT VARNISH OR DEGRADE THE ELECTRICAL PERFORMANCE OF THE CONNECTION UP TO A MAXIMUM TEMPERATURE OF 150°C. PROCESSING LUBRICANTS MUST BE APPROVED BY DELPHI PACKARD ELECTRIC SYSTEMS ENGINEERING.

### MATING BLADE INFORMATION



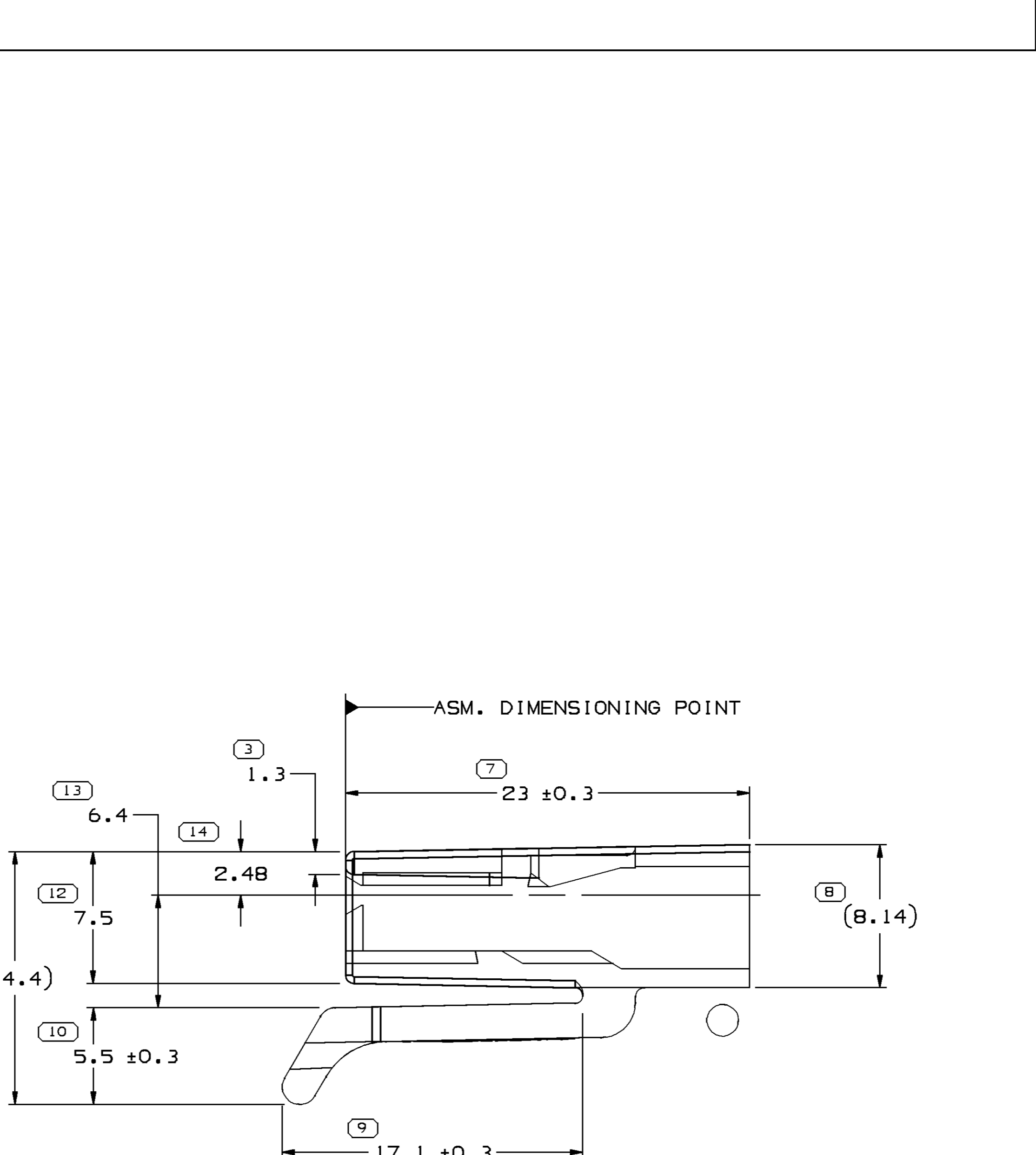
### MATING CONNECTOR INFORMATION

RECOMMENDED MATERIAL - UNMODIFIED POLYESTER

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:

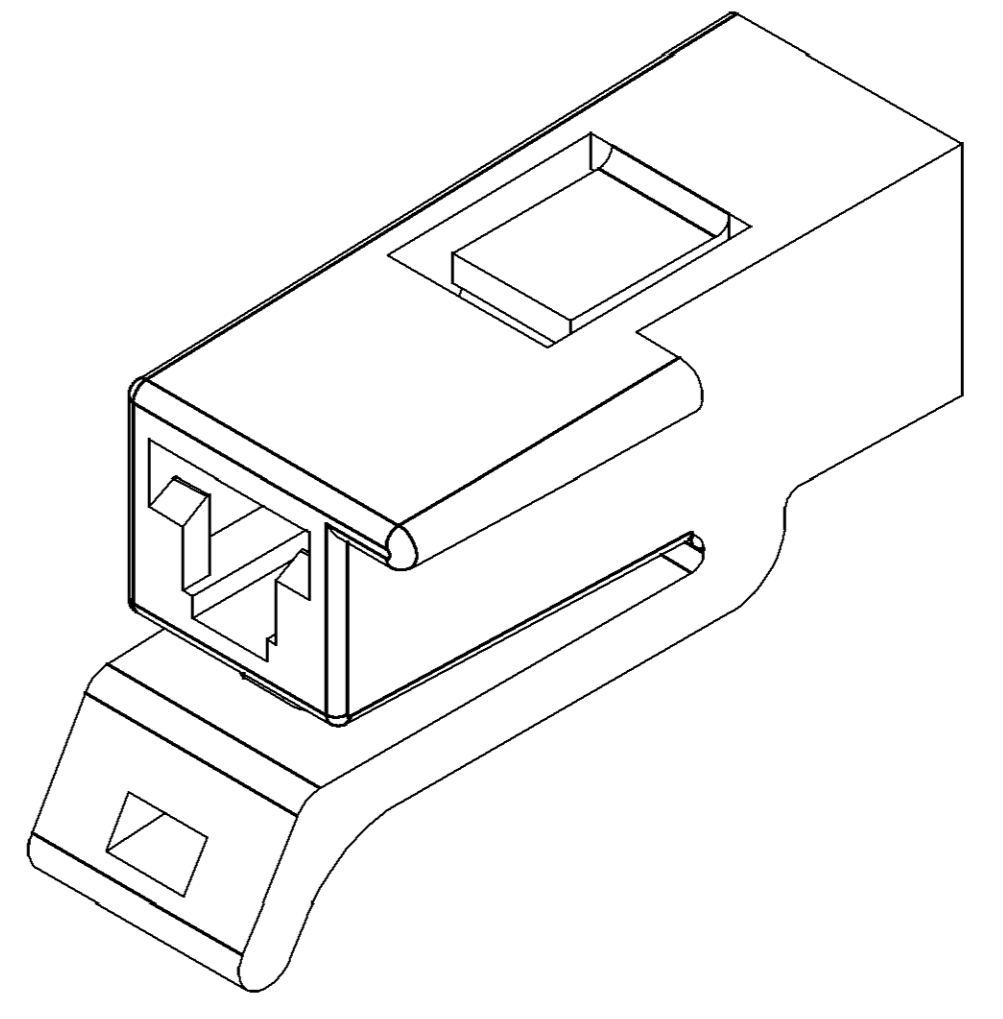
DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA. ALL RADII 0.5. DRAFT IS 1° MAX ON ALL OUTSIDE SURFACES.



- NOTES
- UNLESS OTHERWISE SPECIFIED AND/OR INDICATED: DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
  - MATERIAL RECYCLING CODE PER ISO 11469. (2.3)X(0.1) CHARACTERS AS SHOWN TO BE LOCATED ON ANY EXTERIOR SURFACE. OPTIONAL CONSTRUCTION TO BE NO MATERIAL RECYCLING CODE.
  - THIS PART IS NOT CONTROLLED FOR AUTOMATIC FEEDING.
  - REFERENCE MATING COMPONENTS OR EQUIVALENT: CONNECTOR 12059885
  - (2.3)X(0.1) DELPHI CORPORATE BRAND TO BE LOCATED ON ANY EXTERIOR SURFACE, PREFERABLY VISIBLE AT FINAL ASSEMBLY. OPTIONAL CONSTRUCTION TO BE PED OR NO LOGO.

SYMBOL DEFINITION				TOTAL NO OF INSPECTIONS REQUIRED	MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.				14	NO MISSING SYMBOL NUMBER
				LAST NO. USED	14

DATE	STD	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD
27FE06	R	B3	-	-	-	CLEARED REV COL & CREATED PART DRAWING	277643	ACB	FKV
18M06	R	B4	-	-	-	REMOVED DRAFT ON TOP SURFACE BEHIND LOCK AND REMOVED BLENDS TO MAKE MODEL MATCH PART	280075	RH	RBG



DIMENSIONAL RANGE (MM)		SHORT ET	THIRD ANGLE PROJECTION	DO NOT SCALE
FROM	TO			
> 0	> 30	> 100		
> 30	> 70	> 150		
> 70	> 100	> 200		
> 100	> 150	> 250		
> 150	> 200	> 300		
> 200	> 250	> 400		
TOLERANCE UNLESS OTHERWISE SPECIFIED				
±0.15	±0.2	±0.3	±0.4	±0.5
±0.6	±0.8	±1	±1.2	±1.6
ANGULAR TOLERANCE 2°				

**DELPHI**  
DELPHI PACKARD ELECTRIC SYSTEMS  
WARREN, OH

DR	DATE
APV01 D. THOMAS	22AP87
APV02 J. COLDSNOW	27AP87
APV03 J. P. LITTLEFIELD	15JN87
APV04	
APV05	

UNLESS OTHERWISE SPECIFIED  
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.9M-1994 AS AMENDED BY THE IN-SITU DIMENSIONING AND TOLERANCE ADDENDUMS. SEPARATE MATING PARTS AND FEATURES MAY BE DIMED SEPARATELY PER USE OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

DRAWING NAME  
**CONN I F M/P 480 BLK**

DRAWING NUMBER  
**12059884**

SIZE: A0  
SCALE: 5:1  
FRAME NO: 1  
SHEET NO: 1 OF 1  
REV: R  
N/P: B4