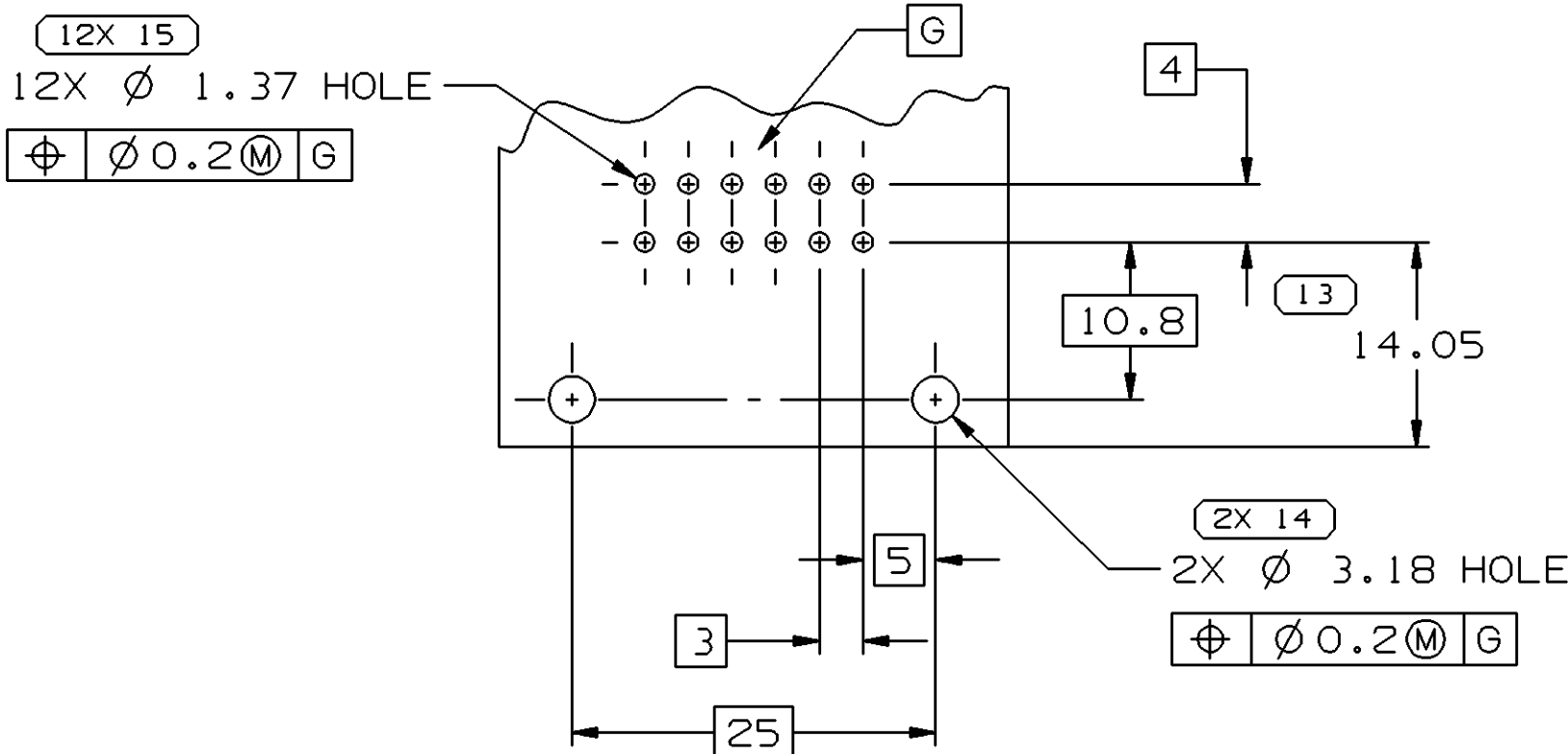
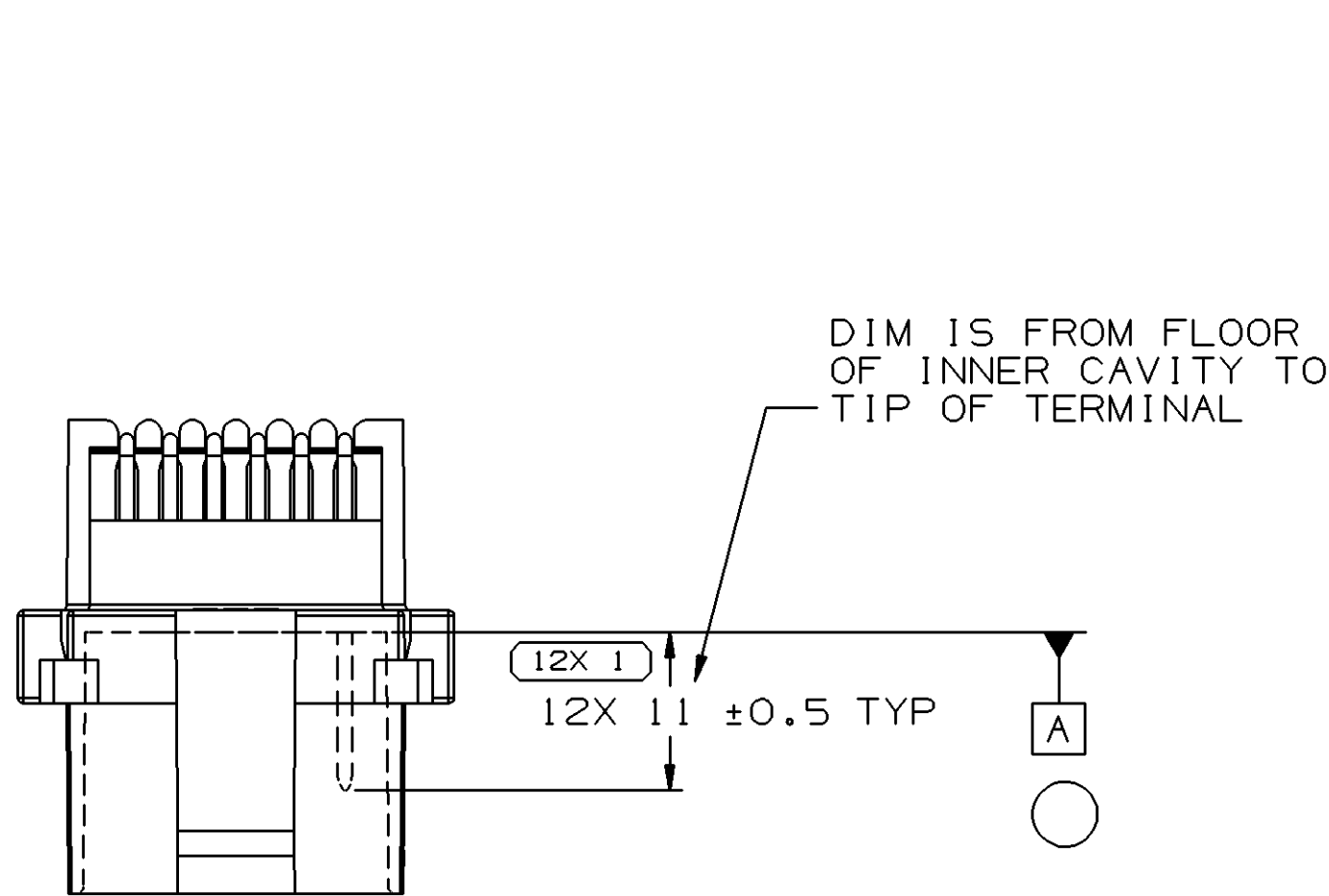


SYMBOL DEFINITION		
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ⊕ DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	82
	LAST NO. USED	17

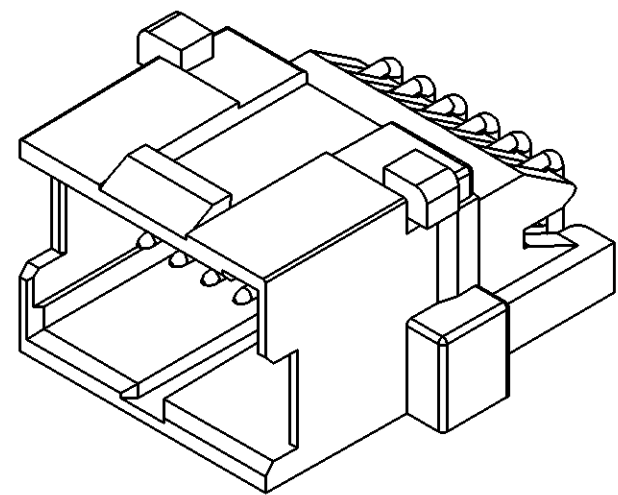
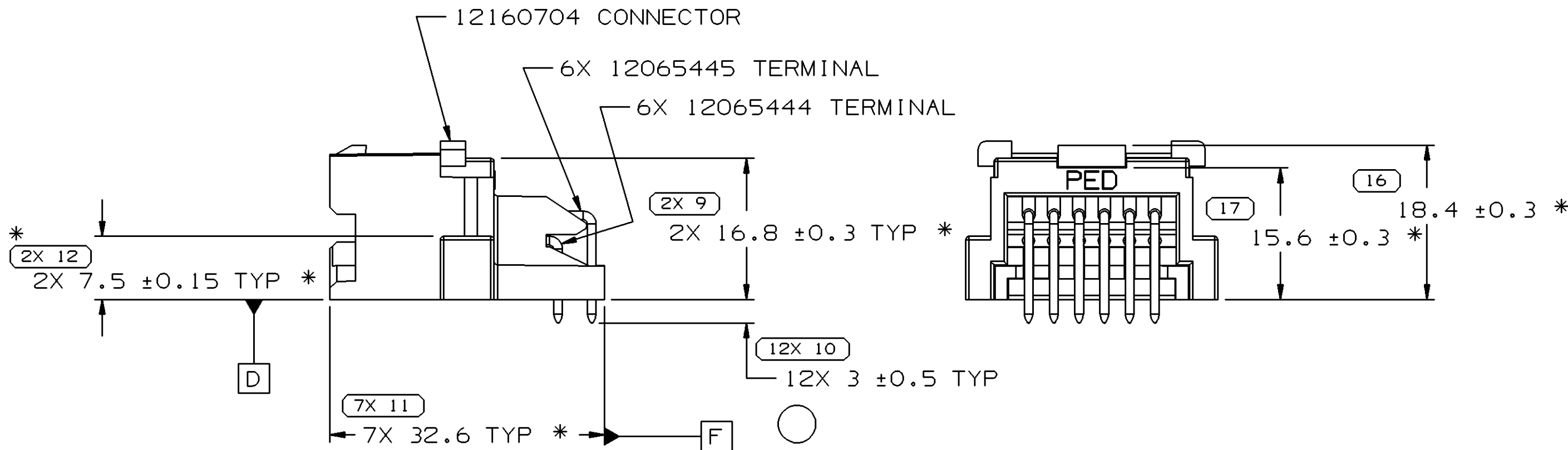
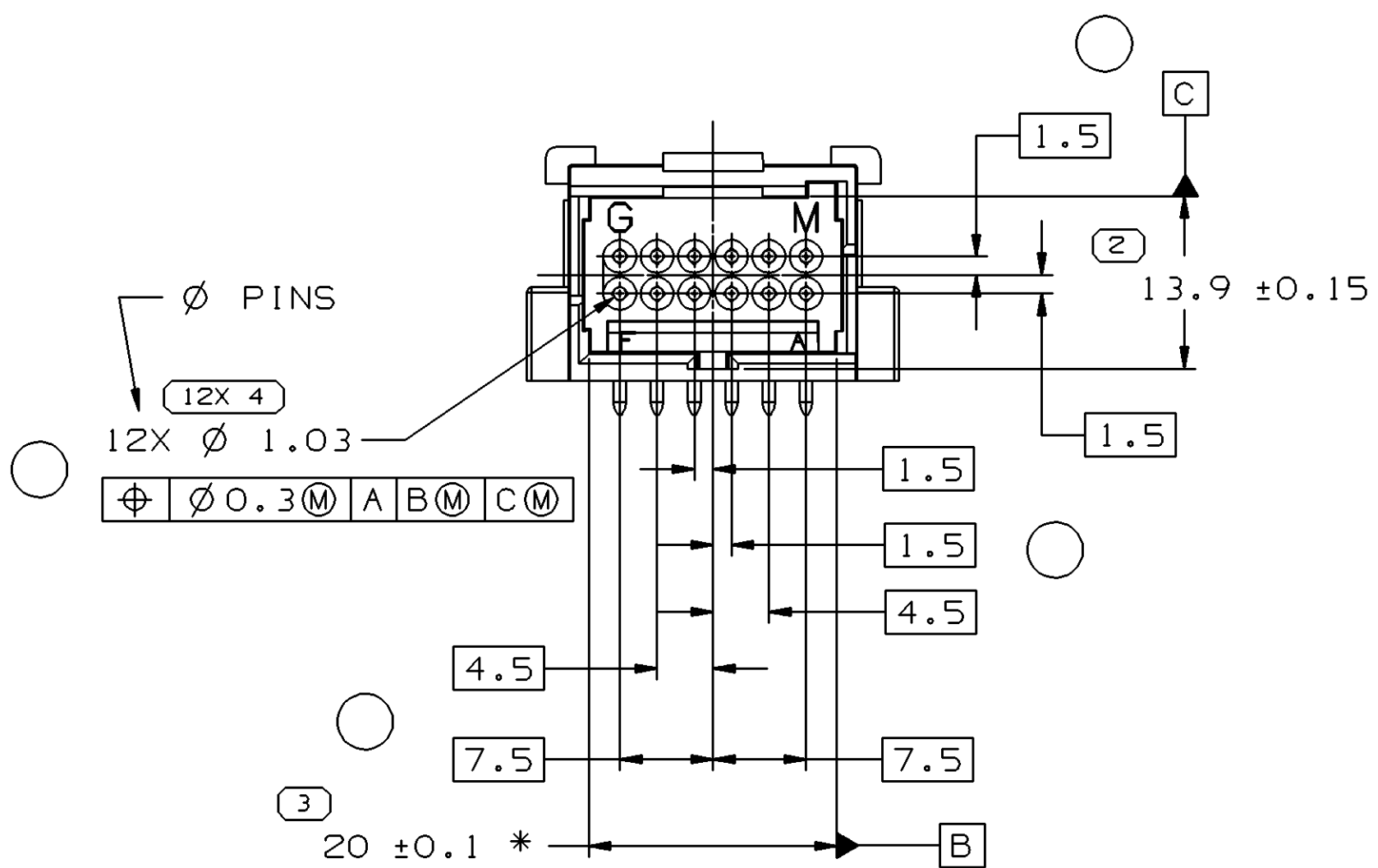
MISSING SYMBOLS		DWG STATUS					ZONE	REVISION HISTORY		AUTH	DR	APVD1	APVD2
		DATE	STG	REV	N/P	CHG							
NO MISSING SYMBOL NUMBER		10MR04	R	C3	-	-		CLEARED REV COL; ADDED DATUMS, ADDED BASIC DIMS & ADDED NOTE 5		252654	FRG	FRG	MB



RECOMMENDED CIRCUIT BOARD LAYOUT

NOTES

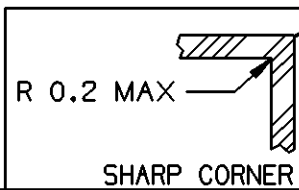
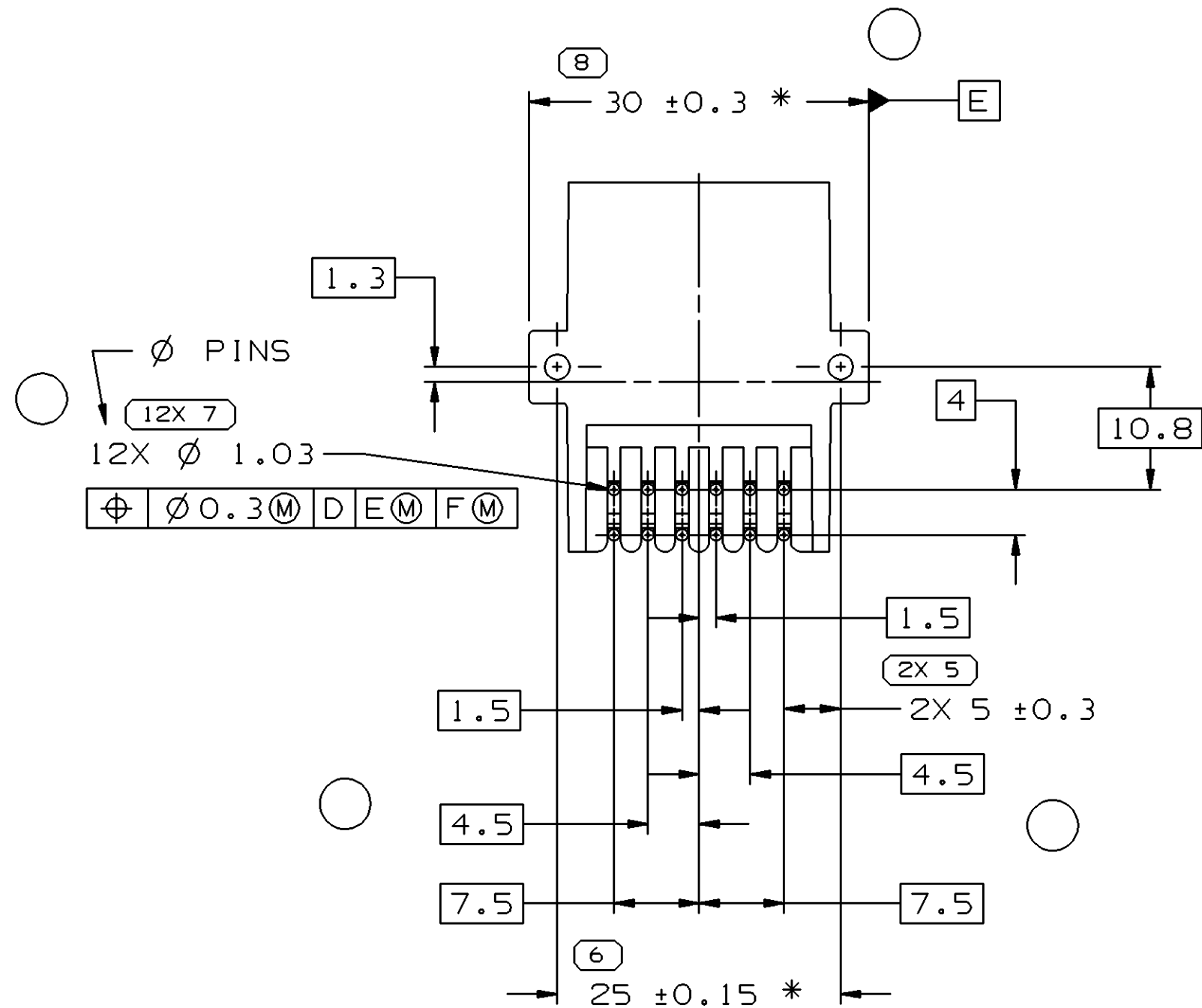
1. RECOMMENDED FASTENER 3MM DIA X 7MM LG SELF TAPPING SCREW.
2. RECOMMENDED BOARD THICKNESS 1.5 MM.
3. RECOMMENDED, SOLDERED THRU HOLES.



VIEW SCALE DOES NOT REFLECT ACTUAL PART SIZE

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.
2. REFERENCE MATING COMPONENTS OR EQUIVALENT: CONNECTOR 12064799 OR EQUIVALENT CPA 12077899 OR EQUIVALENT
3. REFERENCE ESA-645A FOR PERFORMANCE SPECIFICATIONS.
4. REFERENCE PART NUMBER 12052920 OR EQUIVALENT FOR SOLDERABILITY REQUIREMENTS.
5. DIMENSIONS DENOTED WITH * ARE VERIFIED PER COMPONENT DRAWING.



DIMENSIONAL RANGE (MM)		CHART E1	
FROM	TO	FROM	TO
> 0	> 20	> 100	> 150
> 20	> 30	> 150	> 200
> 30	> 70	> 200	> 250
> 70	> 100	> 250	> 300
> 100	> 150	> 300	> 400
TOLERANCE UNLESS OTHERWISE SPECIFIED		TOLERANCE UNLESS OTHERWISE SPECIFIED	
±0.15	±0.2	±0.3	±0.4
±0.3	±0.4	±0.5	±0.6
±0.4	±0.5	±0.6	±0.8
±0.5	±0.6	±0.8	±1
±0.6	±0.8	±1	±1.2
ANGULAR TOLERANCE ±2°		ANGULAR TOLERANCE ±2°	

DWG TYPE		PART DRAWING	
STYLE			
VOLUME (CM³)		DISTR CODE	
ROUTING		6900	
UNLESS OTHERWISE SPECIFIED		THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-2001. SEPARATE PATTERNS OF FEATURES MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.	
ALL DIMENSIONS ARE IN MILLIMETERS		REFERENCE	
THIRD ANGLE PROJECTION		12064798	
DO NOT SCALE		USE MATH DATA	
UNIGRAPHICS			

DELPHI				
DELPHI PACKARD ELECTRIC SYSTEMS WARREN, OH				
			DATE	
DR	C. MARGRAVE		15FE94	
APVD1	C. MARGRAVE		15FE94	
APVD2	J.R. CUNNINGHAM		21FE94	
APVD3	J.R. CUNNINGHAM		21FE94	
APVD4				
APVD5				
SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001				
MATERIAL SEE DRAWING				
DRAWING NAME ASM CONN 12 M MIC/P 100 BLK				
DRAWING NUMBER 12160705				
SIZE A1	SCALE 2:1	FRAME NO 1 OF 1	SHEET NO 1 OF 1	REV STG R C3
				N/P -

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Aptiv:](#)

[12160705](#)