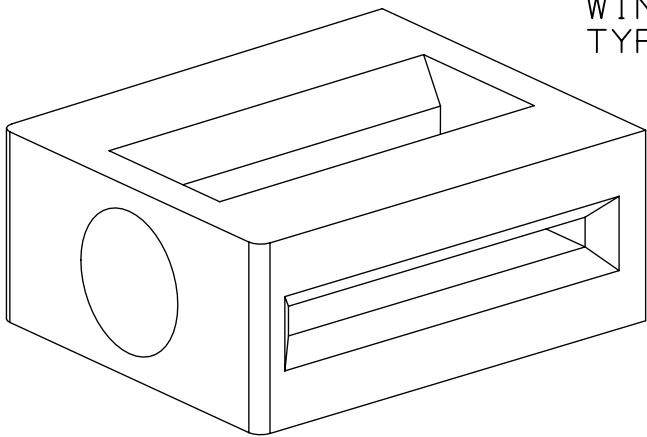
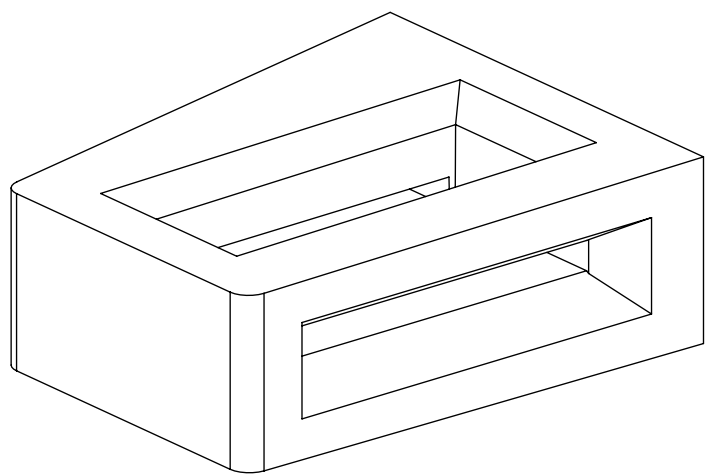


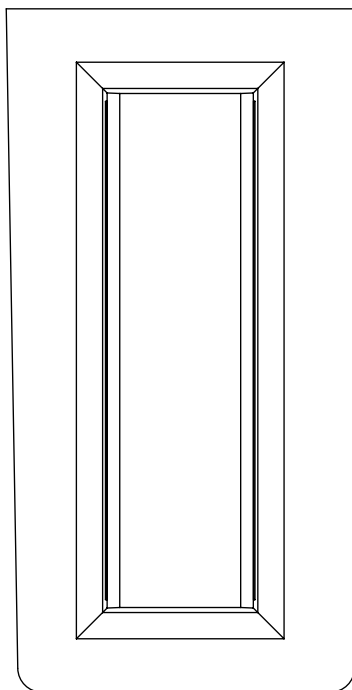
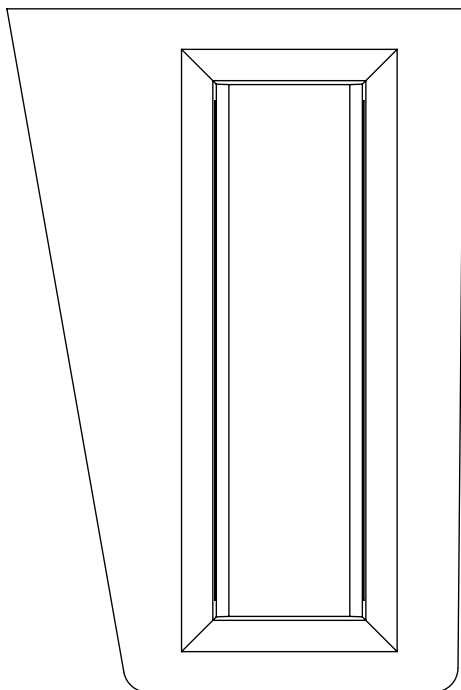
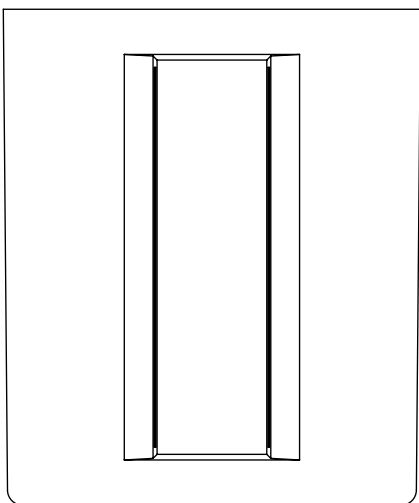
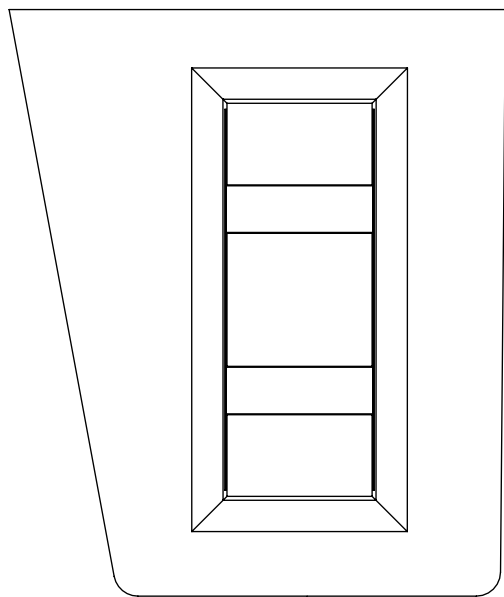
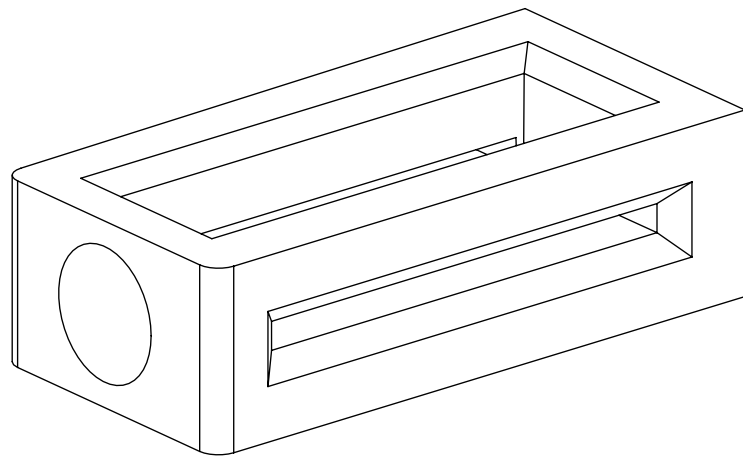
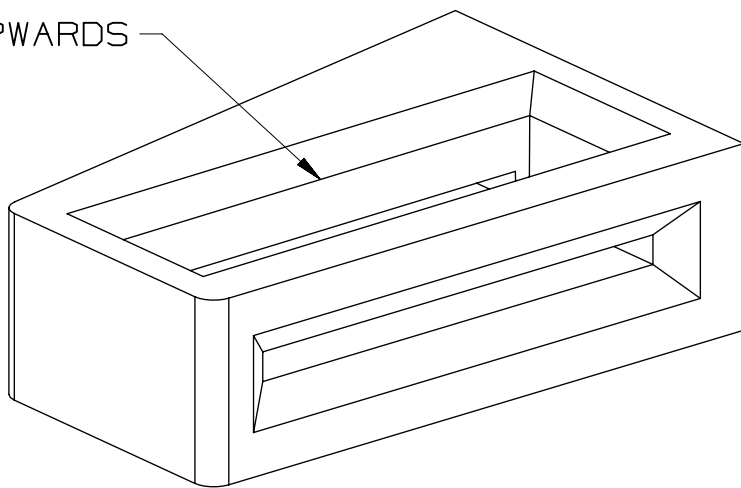
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Collets, 250µm
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NOTES

1 MATERIAL: ACRYLIC POLYMER
WITH UL 94 HB FLAMMABILITY
RATING



WINDOW FACES UPWARDS
TYPICAL



FIBER 1 SIDE
TYPICAL

12F ANGLED

12F RECTANGULAR

16F ANGLED

16F RECTANGULAR

ORDERING INFORMATION
COLLETS

ECS - CXXX - 00

DESIGN: _____
A = ANGLED COLLET
R = RECTANGULAR COLLET

FIBER TYPE:
L = LOOSE FIBER
R = RIBBON FIBER

SIZE:
12 = 12 FIBER
16 = 16 FIBER

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	S.WAL 1A		DATE	DATE	
				CHKD			DATE	DATE	
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DO NOT SCALE DRAWING		SCALE 1/1		TOLERANCES EXCEPT AS NOTED		TITLE			
THIRD ANGLE PROJECTION				INCHES		3M EXPANDED BEAM OPTICAL CONNECTOR COLLETS, 250UM			
INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS		CAGE NUMBER			
MAX SURFACE ROUGHNESS				0 ± 1		SIZE			
ALL SURFACES				.0 ± .15		DRAWING NO.			
MARKED ONLY				.000 ± .1		C 78-5100-2839-8			
				.000 ± .04		REV.			
				ANGLES ± 1°		A			
						MODEL			
						DET. LISTS			
						YES NO			
						SHT 1 OF 6			

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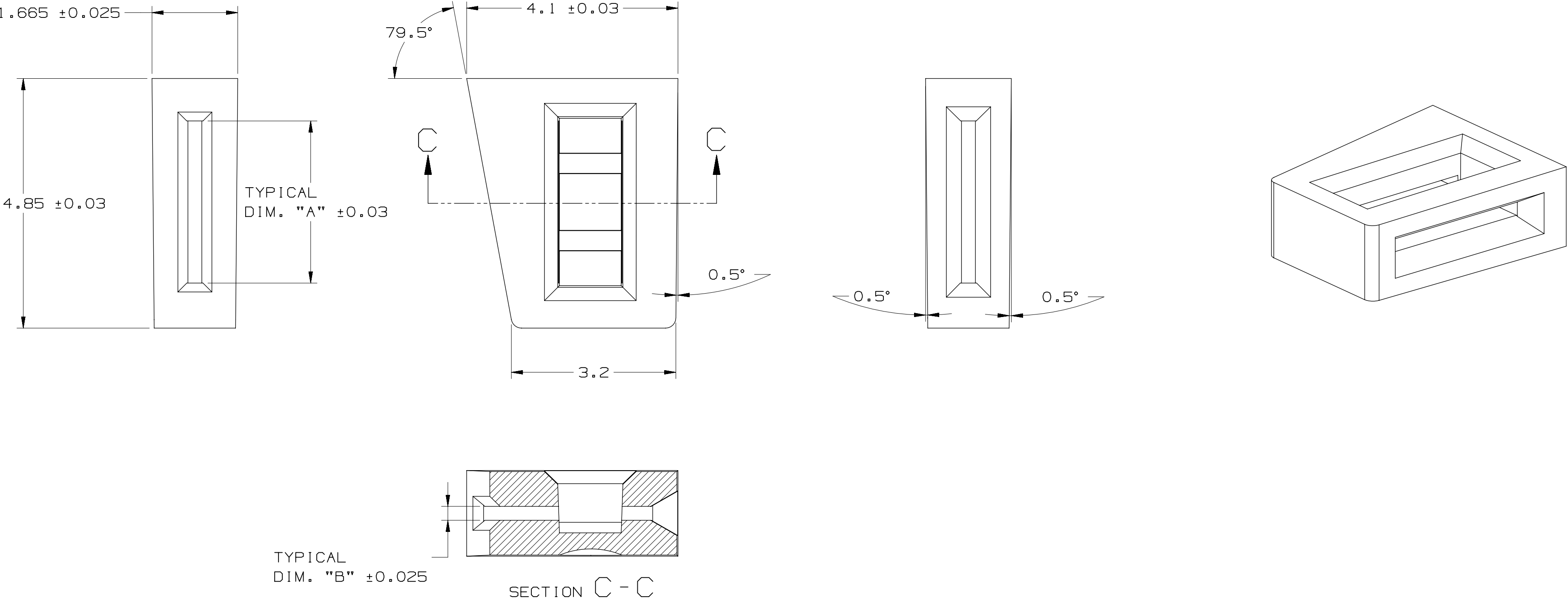


TABLE 1: 12F ANGLED ORDERING INFORMATION		
ORDER BY 3M PART NUMBER	LOOSE FIBER	RIBBON FIBER
	ECS-CA12L-00	ECS-CA12R-00

TABLE 2: 12F ANGLED SPECIFIC DIMENSIONS		
DIM.	COLLET TYPE	DIMENSION
"A"	LOOSE	3.15
	RIBBON	3.20
"B"	LOOSE	0.27
	RIBBON	0.35

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12F ANGLED

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				CHKD			DATE	DATE	
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THIRD ANGLE PROJECTION		INCHES 0 ± 1 .00 ± .15 .000 ± .1 .0000 ± .04		MILLIMETERS 0 ± 1 .00 ± .15 .00 ± .1 .000 ± .04		CAGE NUMBER		DRAWING NO.	
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		ANGLES ± 1°		CAGE NUMBER		DRAWING NO.	
						MODEL		REV.	
						DET.		SHT 2 OF 6	

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Collets, 250µm
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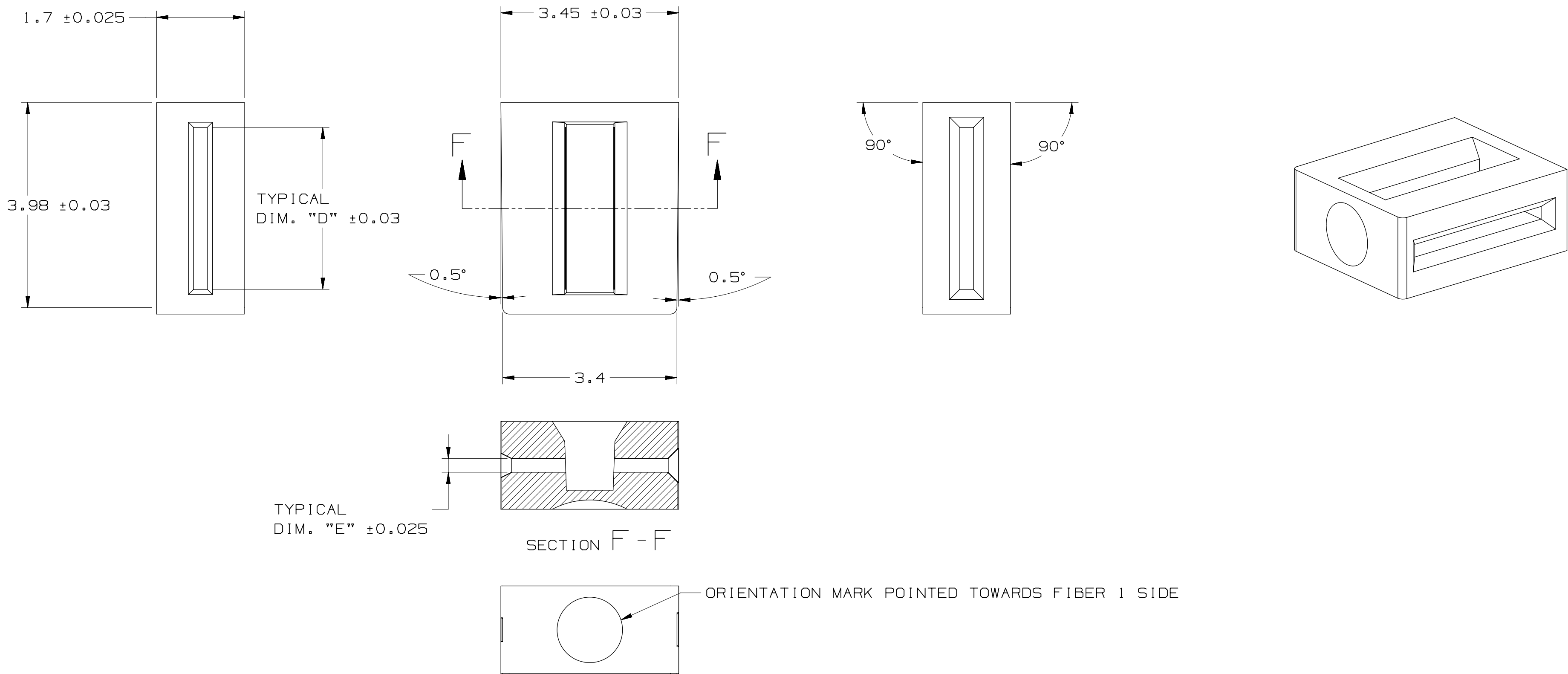


TABLE 3: 12F RECTANGULAR ORDERING INFORMATION		
ORDER BY 3M PART NUMBER	LOOSE FIBER ECS-CR12L-00	RIBBON FIBER ECS-CR12R-00

TABLE 4: 12F RECTANGULAR SPECIFIC DIMENSIONS		
DIM.	COLLET TYPE	DIMENSION
D	LOOSE	3.14
	RIBBON	3.19
E	LOOSE	0.265
	RIBBON	0.345

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12F RECTANGULAR

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ACCESS CODES		DRFT		S.WAL 1A		DATE		AUG 01,2025	
DIVISION		DIVISION CODE		CHKD		DATE		AUG 01,2025	
DEPP		TOLERANCES EXCEPT AS NOTED		3M		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2025	
DO NOT SCALE DRAWING		SCALE 1/1		THIRD ANGLE PROJECTION		TITLE		3M EXPANDED BEAM OPTICAL CONNECTOR COLLETS, 250UM	
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS		CAGE NUMBER		SIZE		DRAWING NO.	
ALL SURFACES		MARKED ONLY		C		78-5100-2839-8		REV.	
ANGLES ±1°		MODEL		DET.		LISTS		YES NO	
								SHT 3 OF 6	

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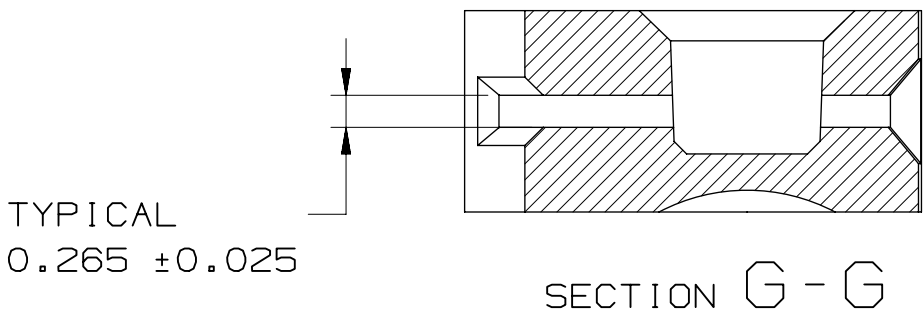
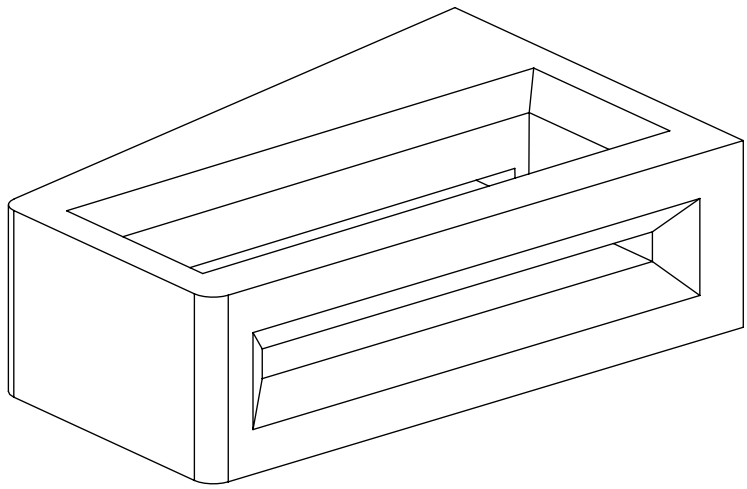
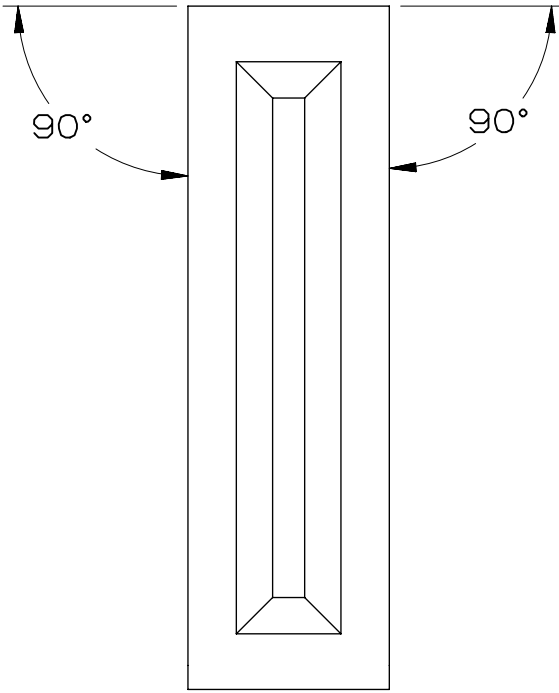
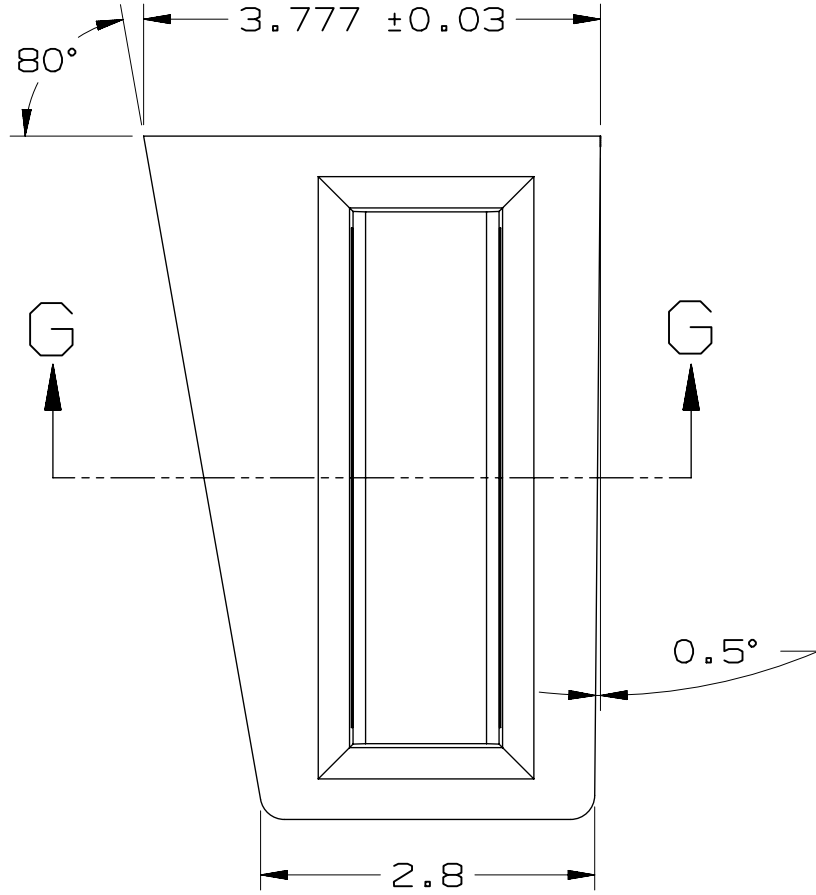
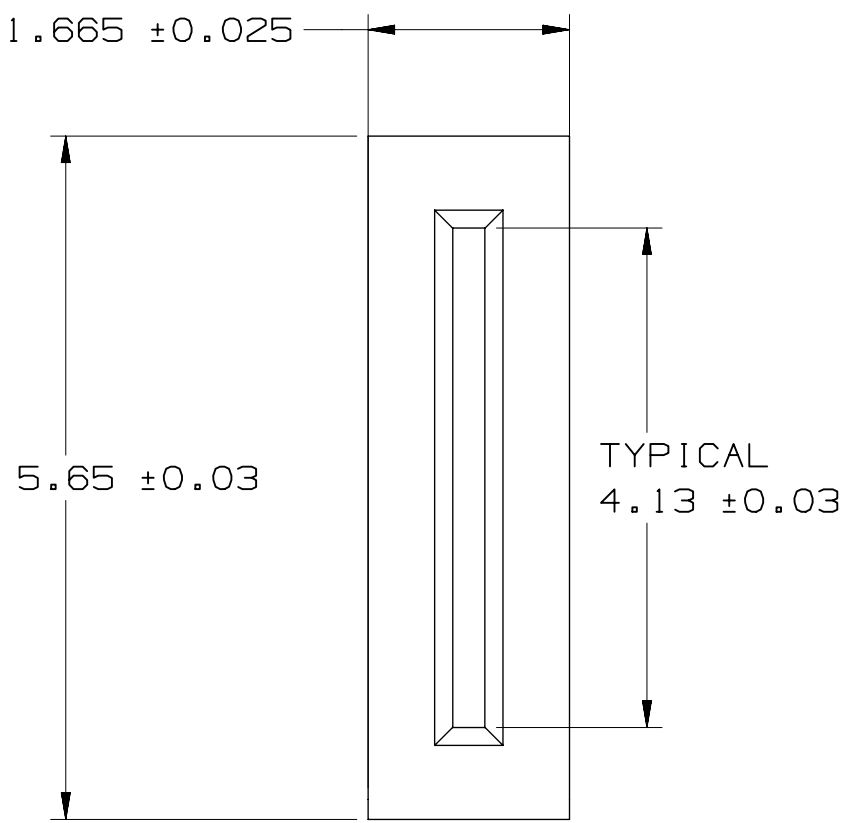

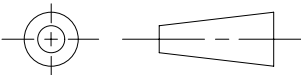


TABLE 5: 16F ANGLED ORDERING INFORMATION	
ORDER BY 3M PART NUMBER	LOOSE FIBER ECS-CA16L-00

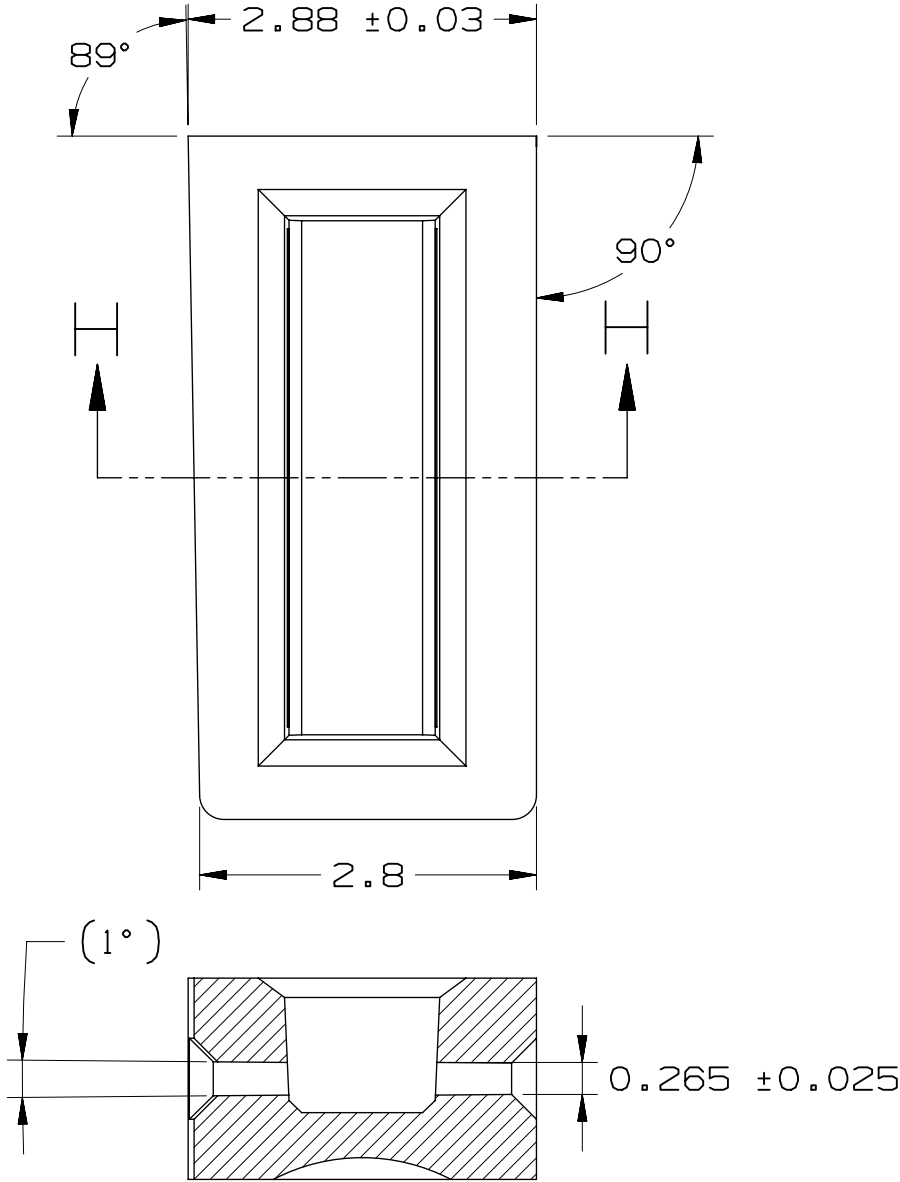
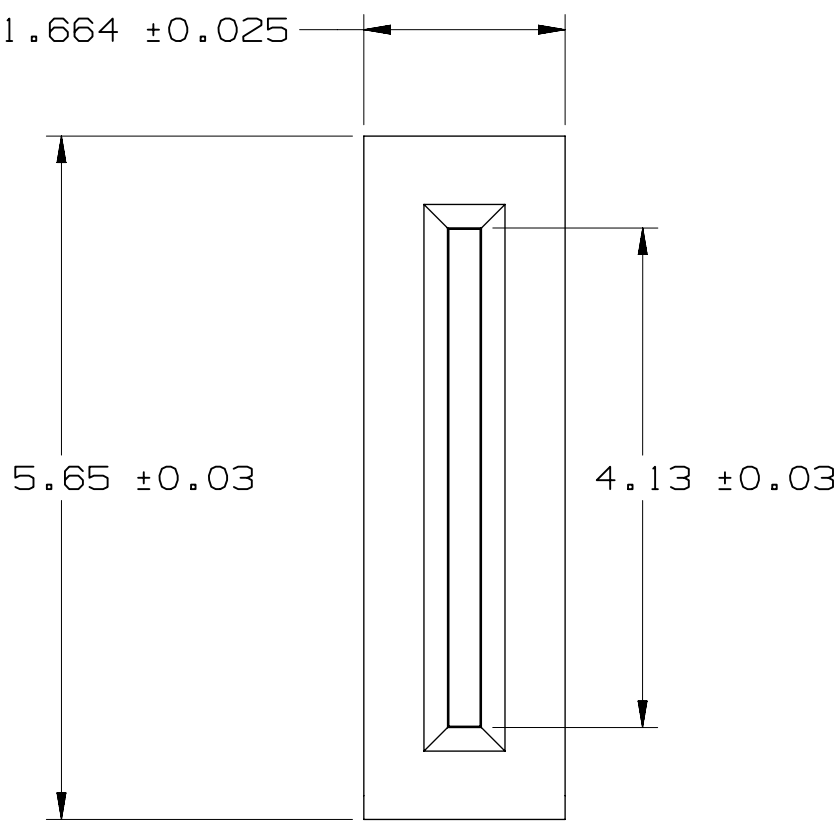
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16F ANGLED

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				CHKD	DATE		APPVL	DATE	
							S. OWEN	AUG 01, 2025	
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DEPP									
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		INCHES							
		MILLIMETERS							
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		0 ± .15		CAGE NUMBER 78-5100-2839-8			
				0 ± .1					
				0 ± .04					
MAX SURFACE ROUGHNESS		ALL SURFACES		ANGLES ± 1°		REV. A			
✓		□ MARKED ONLY		MODEL				DET. LISTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHT 4 OF 6	

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SECTION H - H

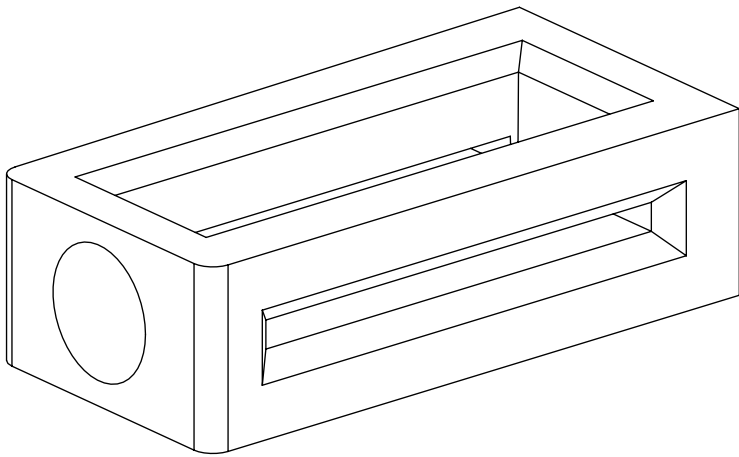


TABLE 6: 16F RECTANGULAR ORDERING INFORMATION

ORDER BY 3M PART NUMBER	LOOSE FIBER ECS-CR16L-00
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16F RECTANGULAR

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				CHKD			DATE	DATE	
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THIRD ANGLE PROJECTION		INCHES 0 ± .00 ± .000 ± .0000 ±		MILLIMETERS 0 ±1 .0 ±.15 .00 ±.1 .000 ±.04		CAGE NUMBER		DRAWING NO.	
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		ANGLES ±1°		78-5100-2839-8		REV.	
						MODEL		DET. LISTS	
						YES		NO	
						SHT 5 OF 6			

C

NOIS

B

B

4

2

1