REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE AT REV A ECP 0667 ECO A08883 (NA)	201116	J. FLEMING
	B	REVISED TO UPDATE VENDOR INFO ECP 0667 ECO A10147 (NA)	230821	G. JIM

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

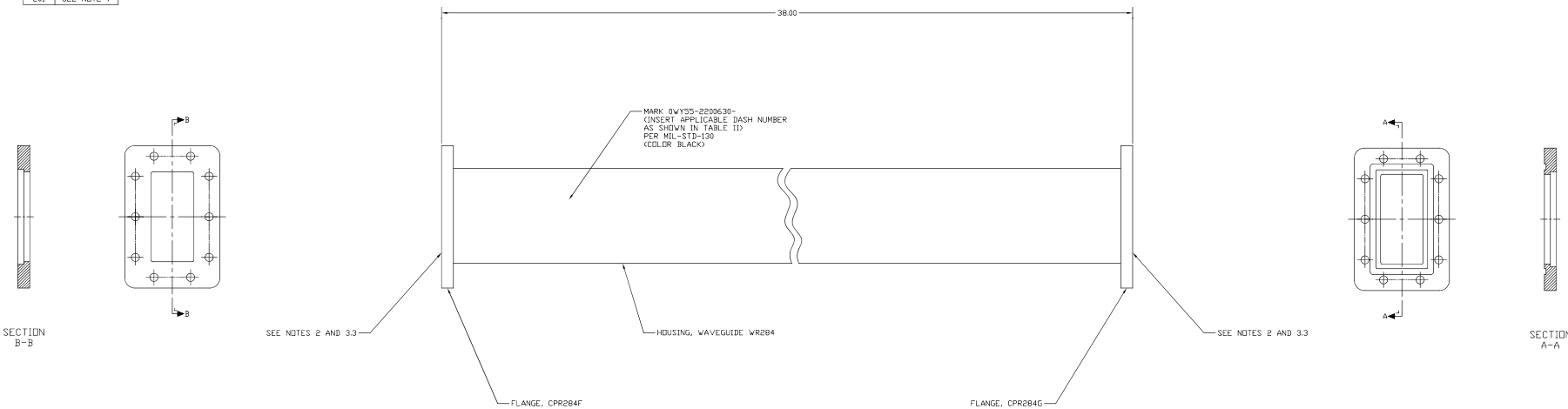
NOTES - UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: WAVEGUIDE PER MIL-W-85/1-042, FLANGES PER MIL-F-3922.
2. ASSEMBLY TO BE ALUMINUM SOLDERED. NO SOLDER PERMITTED INSIDE WAVEGUIDE OR ON FLANGE FACES.
3. FINISH: 3.1. CHEMICAL FILM TREATMENT PER MIL-C-5541, CLASS 3.
   3.2. PAINT: PER MIL-DTL-595, COLOR 17925, SEMI GLOSS.
   PRIMER PER MIL-DTL-53022CL, TWO COATS.
   TOP COAT PER MIL-PRF-22750 F, 2 COATS.
   3.3. OMIT PAINT FROM ALL HOLES, FLANGE FACES (MATING SURFACES) AND INTERNAL SURFACES.
4. FLANGES SHALL BE SQUARE TO THE INNER SURFACE OF THE WAVEGUIDE TO WITHIN .005.
5. PRESSURE TEST AT 8 PSI. PRESSURE DROP 1 PSI / 6 HOURS MAXIMUM.
6. MAXIMUM ALLOWABLE STEP OR DISCONTINUITY ALONG INNER WAVEGUIDE SURFACES AT JOINTS SHALL BE .005.
7. THE PART NUMBER IS THE DRAWING NUMBER SUFFIXED WITH THE APPLICABLE DASH NUMBER AS SHOWN IN TABLE II.
8. WORKMANSHIP PER MIL-HDBK-454, GUIDELINE 9.
9. SHIPPING CAPS TO BE FURNISHED WITH WAVEGUIDE ASSEMBLY.
10. ELECTRICAL CHARACTERISTICS: FREQUENCY: 2.7 TO 3.0 GHz
    VSWR: 1.25:1 MAX
    INSERTION LOSS: 0.1dB MAX
11. SUGGESTED SOURCE(S) OF SUPPLY (MANUFACTURER(S))

    VENDOR: PENN ENGINEERING COMPONENTS (6L254)
    VENDOR CITY: VALENCIA, CA
    PART NO. PER TABLE II

TABLE II

DASH NO.	VENDOR PART NO.
201	SEE NOTE 7



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VENDOR ITEM CONTROL DRAWING

MATERIAL			INTERPRET DRAWING IAW ASME Y14.100	PROJECT WSR-88D	
			INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M	APPROVALS	DATE
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON MILLIMETERS: 1 PL ±0.5; 2 PL ±0.05; 3 PL ±0.005 / DECIMALS: 2 PL ±0.02; 3 PL ±0.005	DWN J. MORAN	201116
				CHK A. BAUER	201116
				ENGR J. FLEMING	201116
				QA	
				LOG L. ALBERTS	201116
THIRD ANGLE PROJECTION	230141	NEXRAD	ANGLES: DO NOT SCALE DRAWING	ECC M. KAMBOVSKI	201116
	NEXT ASSY	USED ON	ECP	CM	
	APPLICATION		0667	ROC	

WSR-88D WEATHER SURVEILLANCE RADAR
DOC/NOAA/OAR/OSTI/PMO
NEXRAD OPERATIONS CENTER
120 NORTH HUDSON AVENUE
NORMAN OKLAHOMA 73069-8480

WAVEGUIDE ASSEMBLY, STRAIGHT, 38 INCH

REV	DATE
SHEET	INDEX

SIZE	CAGE CODE	DWG NO.	REV
	J10WY55	2200630	B
SCALE: NONE		SHEET 1 OF 1	

CM FORM 2990685

2200630-201

Revision • B A10147
Part • WAVEGUIDE ASSEMBLY, STRAIGHT, 38 INCH •
Effective From: **08/20/2023 10:00:00 PM PDT** to
...

Production

Unincorporated

Title Block

Lifecycle Phase:	Production	**Number:**	2200630-201
Nomenclature:	WAVEGUIDE ASSEMBLY, STRAIGHT, 38 INCH	**Rev:**	B A10147
Size:	J	**Product Line(s):**	OSF
Part Type:	Part	**Part Category:**	Vendor Item Control Document
Rev Release Date:	08/31/2023 01:03:04 PM PDT	**Rev Incorp Date:**	
Effectivity Date:	08/20/2023 10:00:00 PM PDT		
Base Model:			

MFG Info

CAGE CODE:	0WY55	**DRAWING NO.:**	2200630
DESCRIPTION:		**MANUFACTURER 1:**	PENN ENGINEERING COMPONENTS
MFR 1 CAGE:	6L254	**MFR 1 PART NO.:**	
MANUFACTURER 2:		**MFR 2 CAGE:**	
MFR 2 PART NO.:		**MANUFACTURER 3:**	
MFR 3 CAGE:		**MFR 3 PART NO.:**	
UOM:	EACH	**EAR:**	
CABLE LENGTH:		**CABLE MARKER - FROM:**	
CABLE MARKER - TO:		**NOTES:**	