INPUT FORM FOR ENGINEERING PARTS LIST

INITIAL/TIME/DATE RELEASE DESK:	SHEET A OF SHEETS

	D S	DRAWING/PART NO.	DWG REV	EPL DASH	EPL REV	DESCRIPTION

MAKE FROM	DRAWING/PART NO.	DWG REV	EPL DASH	EPL REV	TRC CODE	CCBD NO.	PCN NO.	UNIT WEIGHT	QTY	TOP ASSEMBLY	PROJ CODE	EFFECTIVITY	EFF ADJ

DWG ZONE	FIND OR ITEM NUMBER	D S	DRAWING / PART NUMBER	CODE IDENT. DWG REV	CODE IDENT. DA	CODE IDENT. SPL	QTY	UNIT WEIGHT	NOTES	TRC	DESCRIPTION

PKG NO.	RESP ORGANIZATION	REV DESCRIPTION

	DESIGNER	ENGINEER (PRINT)	CHECKER	MATERIAL	STRESS	APPROVED	APPROVED
SIGNATURE							
DATE							

DRAWING/PART NO.	DWG REV	DASH	EPL REV

EPL TABULATION CONTINUATION SHEET

SHEET B1 OF SHEETS

QTY	TOP ASSEMBLY	PROJ CODE	EFFECTIVITY FLIGHT UNITS	EPL REV	DRL / EPL REVISION DESCRIPTION	CCBD NO.	PCN NO.

☐ Effectivity increase/decrease of this change is to be automatically applied to: (1) EO's to this assembly and sub-tier assemblies/parts and, (2) DRL/EPL's for sub-tier assemblies. The configuration of the increased effectivities shall be the same as the configuration of effectivity (singular). PC EFF TA

☐ Effectivity increase/decrease of this change is to be applied to the EO's and DRL/EPL's listed on the enclosed MSFC Form 420-1, Sheet C.

☐ Effectivities of the incorporated EO's listed on the enclosed MSFC Form 420-1, Sheet D, are to be decreased to the extent that they duplicate the effectivity of this revision.

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ENGINEERING PARTS LIST (EPL), SHEET A - PREPARATION INSTRUCTIONS (PAGE 1)

Initials/Time, Date Rel. Desk: To be completed by the Release Desk.

Sheet A of Sheets: Enter sheet number and total number of sheets.

Drawing Size: Enter the drawing size of the assembly or installation. If the drawing size is not known, enter "U."

Drawing/Part No.: Enter number of assembly or installation. The dash portion of the part number, e.g. 96M0000-001, shall not contain more than three digits.

DWG Rev. : Enter the drawing revision letter of the assembly or installation. Enter a dash (-) if there is no revision. When it is required to release detail parts prior to the release of their using assembly, enter "DNA" (drawing not available).

EPL Dash: Enter 101 for a "new" drawing revision and continue in numerical sequence through 199 for each subsequent revision.

EPL Rev.: Enter a dash (-) for a new issue; A, B, etc., for subsequent **effectivity only** changes.

*Description: Enter the title as it appears on the assembly drawing for which the EPL is being prepared. Abbreviations may be used if necessary to meet the space limitation of this block.

Note: Blocks notated with an "*" **(Description, TRC Code, Unit Weight, Quantity, Top Assembly, Proj Code, and Effectivity)** must be entered on the "new" (101) EPL and may be left blank on subsequent EPL revisions unless a change is required.

If Qty, Top Assembly, Proj Code or Effectivity blocks are changed, all of the blocks notated with an "*" must be filled in.

Make From:

Drawing/Part No. These blocks shall be used to create a new EPL from the data existing on the computer data file for current or one previous issue configuration.
Drawing Rev. Enter the specific identification of the existing EPL. The find number information will be used from the file to make a new EPL.
EPL Dash No.
EPL REV:

Changes to the find number information on file may be made to (1) add new find numbers on the new input form; (2) make changes to existing find numbers by overlaying with a new set of information, or (3) delete all information associated with an existing find number. To delete all data for a find number, enter only (1), find number, (2), drawing/part number, and (3), "DEL" in quantity Block No. 31.

*TRC Code: Enter L for Lot, S for Serial, or T for Materials. NOTE: When Traceability including materials traceability is required, the specific level of traceability shall be specified in a Note on the drawing.

CCBD No.: To be entered by the CCB Secretariat. Multiple CCBD's and PCN's may be used by entering "TAB" in this column and listing all numbers on the reverse side of the EPL.

PCN: To be entered by the CCB Secretariat.

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ENGINEERING PARTS LIST (EPL), SHEET A - PREPARATION INSTRUCTIONS (PAGE 2)

*Unit Weight: Enter total weight of the assembly. Weight may be entered in either inch-pounds or metric.

*Quantity: Enter the estimated quantity required per each top assembly. For top assemblies, enter a quantity of one.

*Top Assembly: Enter the top assembly(ies) part number(s). Enter FINAL when releasing a top assembly. The top assembly entered must already exist in the ICMS database.

*Proj. Code: Enter appropriate project code.

*Effectivity: Enter the effectivity of the assembly for which the EPL is being prepared. The effectivity of the assembly being released must be within the range of effectivities of its top assembly(ies).

EFF ADJ: Enter the appropriate code if the automatic method of adjusting effectivities is to be used.

DWG Zone: Enter the part location from zoned drawings by the horizontal drawing zone, vertical zone letter, and sheet number (all three must be used). Only one zone shall be listed for each item. Zone information is not required for standard hardware.

Find No.: A find number is listed on an EPL that corresponds to the same find number on the drawing. Enter the find number that located the part being listed. Find numbers shall be listed in numerical order. Alternate part(s) find numbers shall be the same as the find number of the part for which they are an alternate.

DS: Enter appropriate size of the drawing (if applicable) listed in "Drawing/Part No."

Drawing/Part No.: Enter the appropriate part number for all parts or document for all "nonpart" documents. When a part number, which is a top assembly in another project, is called for, enter its project code and effectivity in parentheses in the last six positions of this field. **NOTE:** If part number exceeds 21 characters, enter "see description" in the Drawing/Part Number column and enter the entire number in the Description column.

Code Ident.: When the line entries are standard parts or parts identified by the MSFC CAGE Code 14981, leave the "DWG REV," "DA," and "SPL" blocks blank. Otherwise, enter the design activity's CAGE code from the H4/H8 Commercial and Government Entity (CAGE) Handbook.

Dwg Rev. (Drawing Revision): Leave blank if the "DA" or "SPL" blocks apply, or if the line entry is a vendor or standard part. Otherwise, enter a dash (-) to indicate a "no revision" drawing or enter the appropriate revision letter.

D.A. (Drawing Availability): Enter the Word "NO" when the drawing has not been released. When the drawing is released, the EPL shall be revised to remove the "NO" from this block and the applicable drawing revision or Separate Parts List information shall be entered.

SPL: Enter an "X" in this block if the part number being listed (Separate Parts List) has its own separate parts list. This does not apply to vendor or standard parts. Enter an "O" when a part number, which is a top assembly in another project, is called for.

NOTE: Only one of the blocks ("DWG REV," "DA," or "SPL") shall contain an entry for each drawing/part number listed. These blocks shall be left blank when the line entries are standard parts and shall be utilized for code identification (CAGE) number for vendor parts.

Qty.: Enter the quantity required for the part number listed to make the assembly. Enter "AR" (as required) for bulk items such as wire, adhesive, tape, etc., and for "nonpart" documents. Enter "ALT" when specifying an alternate part number. Enter "DEL" to delete an existing find number.

Unit Weight: Enter the unit weight of the part number being listed. If the quantity is AR, the "UNIT WEIGHT" block shall be left blank. Unit weight may be entered in either inch-pound or metric.

ENGINEERING PARTS LIST (EPL), SHEET A - PREPARATION INSTRUCTIONS (PAGE 3)

Notes: When notes from a drawing or any of the standard notes shown below are required on an EPL, they shall be noted by: entering the identifying note number from the NOTES area of the drawing; for example, a "3" in this column would correspond to Note 3 on the drawing. Multiple notes may be entered for a find number, but only one identifying number or letter shall be entered per line in the Notes column. If a standard note applies, enter a letter to identify the standard note that will appear at the end of the EPL.

MSFC Standard Note Designations are:

A = Vendor Part - See Specification Drawing.
B = Vendor Part - See Source Control Drawing.
C = Design Procurement Drawing.
D = Altered Vendor Part Drawing.
E = Selected Vendor Part Drawing.
F = This drawing controlled by ICD.
G = Government-furnished equipment (GFE).
H = Procurement release (long lead item).
J = "Not shown on drawing". This is to be used when it is necessary to release detail drawings subsequent to the initial release of their using assembly drawings, but prior to the assembly drawing being revised to show them.
K = This is an electrostatic sensitive part. Handling precautions must be taken per MSFC-RQMT-2918.
R = Reference Document (must be present for any "nonpart" documents listed on the EPL and must not be present when parts are listed).
S = For microcircuits conforming to military specifications identified in MSFC-STD-3012:
  1. Class S devices may be substituted for Class B.
  2. Lead finish may be A or B.
T = 1. Part number coding of the resistance tolerance, in the order of increasing tolerance (decreasing precision), is T, Q, A, B, D, F, G, J, and K. A smaller tolerance resistor may be substituted for any resistor of larger tolerance, i.e., T may be substituted for Q, A, B, D, F, G, J, or K; Q may be substituted for A, B, D, F, G, J, or K; etc.
  2. Parts with a failure rate coded S may be substituted for parts coded R or P, and parts coded R may be substituted for parts coded P.
  3. MIL-PRF-55182 parts coded E may be substituted for parts coded H, and MIL-PRF-83401 parts coded K may be substituted for parts coded M.
U = Deleted.
V = For transistors and diodes that use the military specification coded part numbers, parts coded JANS may be substituted for parts coded JANTXV or JANTX, and parts coded JANTXV may be substituted for parts coded JANTX.
W = PIND and/or x-ray test, as required per MSFC-STD-3012.
X = Designer supplied part (For Information Only).

TRC Code: The TRC codes are: L for Lot, or S for Serial.

Description: Enter the title as it appears on the drawing for the part number being listed. Multiple lines are permitted up to 200 spaces. **Note: Reference Designators shall be entered in the Description Field.**

Pkg. No.: Enter DPRS No.

Resp. Org.: Enter the office symbol of the originating organization.

Rev. Description: Leave blank.

Designer: Originator/draftsman shall sign and date

Engineer: Design engineer shall PRINT first initial, last name and date the EPL. The Engineer is the principal contact for any questions.

Checker/Material/Stress/Approved/Approved: These blocks shall be signed and dated in accordance with the signature requirements set forth in the project CM plan.

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ENGINEERING PARTS LIST (EPL), SHEET B (CONTINUATION) - PREPARATION INSTRUCTIONS

Sheet B __ of __ Sheets: Enter sheet number and total number of sheets.

Note: All blocks except the last are for continuation from front side of EPL.

Last Block: Self-explanatory, check one of the three boxes.