

STATIC SENSITIVE PACKAGING

PACKAGING (TAPED & REELED):

PLACE EACH REEL IN A STATIC SHIELDING OR CONDUCTIVE BAG.

NOTE: DO NOT HEAT SEAL. PLACE A MIL-STD-129 SENSITIVE ELECTRONIC DEVICE CAUTION LABEL OR EQUIVALENT ON THE BAG AND SHIPPING CONTAINER. ANY NUMBER OF REELS CAN BE PLACED INTO A SHIPPING CONTAINER WHICH SHALL BE A CORRUGATED FIBERBOARD BOX, DOMESTIC, RSC, OF SUFFICIENT QUALITY AND STRENGTH TO INSURE SAFE ARRIVAL OF PARTS. A MAXIMUM GROSS WEIGHT OF 40 POUNDS IS RECOMMENDED BUT DO NOT EXCEED WEIGHT LIMITATIONS OF CONTAINER.

MARKING INSTRUCTIONS: REELS SHALL BE MARKED WITH RAYTHEON PART NUMBER/NAME, QUANTITY, LOT NUMBER, DATE OF REELING (MONTH/YEAR). EACH SHIPPING CONTAINER SHALL BE MARKED WITH RAYTHEON PART NUMBER(S)/NAME(S), QUANTITY(S), PURCHASE ORDER NUMBER(S) AND VENDOR'S NAME/ADDRESS. PLACE A MIL-STD-129 SENSITIVE ELECTRONIC DEVICE CAUTION LABEL OR EQUIVALENT ON THE SHIPPING CONTAINER.

\* PACKAGE AND LABEL PLASTIC ENCAPSULATED MICROCIRCUITS (PEMS)/MOISTURE SENSITIVE DEVICES (MSDS) PER IPC-SM-786.

ORIENTATION:

A. ALL POLARIZED COMPONENTS MUST BE ORIENTED IN ONE DIRECTION. THE NEGATIVE TERMINATION IS TO BE NEXT TO THE SPROCKET INDEXING HOLES.

B. CHIP RESISTORS SHALL BE PACKAGED WITH THE RESIST MATERIAL FACING THE TOP COVER TAPE. COMPONENTS WITH BOTTOM-ONLY TERMINATIONS SHALL BE PACKAGED WITH THE TERMINATIONS FACING THE BOTTOM COVER TAPE OR EMBOSSED CARRIER.

REELING:

\* A. UNLESS SPECIFIED, TAPE WIDTH SHALL BE 8MM, 12MM, OR 16MM PER EIA-481. THE DIMENSIONS OF THE REEL POCKETS SHALL BE DETERMINED BY COMPONENT SIZE. THE CLEARANCE BETWEEN THE COMPONENT AND THE CAVITY MUST BE WITHIN .002 MIN. TO .020 MAX., ALSO, THE COMPONENT CANNOT ROTATE MORE THAN 20 DEG. WITHIN THE DETERMINED CAVITY.

B. COMPONENTS ON ANY REEL SHALL NOT REPRESENT MORE THAN TWO DATE CODES.

C. REELS SHALL BE DISPOSABLE METAL OR PLASTIC. STATIC SAFE MATERIALS ARE PREFERRED.

D. THE TOP COVER TAPE FOR EACH CARRIER TAPE SHALL HAVE A PEEL STRENGTH OF +40 OR -30 GRAMS, MEASURED AT 175 DEG TO 180DEG WITH RESPECT TO THE COMPONENT CARRIER ALONG THE LONGITUDINAL AXIS OF THE CARRIER TAPE. THE PEEL-OFF SPEED SHALL BE 120 +5 OR -5 MM/MIN.

E. AFTER REELING, THE EMBOSSED TAPE SHALL BE SECURED SO THAT NO UNWINDING OCCURS. IF THE ENDS ARE TAPED THE TAPE STRIP SHALL BE LESS THAN THE INSIDE DIMENSION OF THE REEL. A MINIMUM 16" LEADER WITH SEALED COVER TAPE SHALL BE PROVIDED AT EACH END OF THE REEL.

F. QUANTITY PER REEL SHALL BE CONTROLLED SO THAT TAPED COMPONENTS AND COVER SHALL NOT EXTEND BEYOND THE SMALLEST DIMENSION OF THE FLANGE (EITHER ACROSS FLATS OR DIAMETER). ONCE THE QUANTITY PER REEL FOR EACH PART NUMBER HAS BEEN ESTABLISHED, FUTURE ORDERS FOR THAT PART SHALL BE PACKAGED IN THAT QUANTITY.

G. THERE SHALL BE NO MORE THAN 2 CONSECUTIVE MISSING COMPONENTS.

H. IF LESS THAN 100 PARTS ARE ORDERED, VENDOR'S COMMERCIAL PACK WILL SUFFICE.

\* I. REFER TO EIA-481 (ELECTRONICS INDUSTRY ASSOCIATION) FOR REEL AND TAPE REQUIREMENTS.

J. REGARDLESS OF TAPE SIZE, COMPONENT SIZE, OR PITCH SIZE USED, THE CENTERLINE OF THE COMPONENT CAVITY, OR POSITION, IS TO BE LOCATED MIDWAY BETWEEN A PAIR OF SPROCKET HOLES IN THE LENGTHWISE DIRECTION OF THE TAPE.

TO PRESERVE THE ENVIRONMENT, IT IS RECOMMENDED THAT PACKAGING MATERIALS WHICH ARE MANUFACTURED FROM, AND OR, WITH CFC'S (CHLOROFLOUROCARBONS) NOT BE USED.

THIS ATTACHMENT, WITH ITS TERMS AND CONDITIONS, IS AN INTEGRAL PART OF THIS PURCHASE ORDER.

\* ADDITION/REVISION