

Mil Specs
& Drawings



STANDARD MICROCIRCUIT DRAWING (SMD) PROGRAM 1ST QUARTER 2004

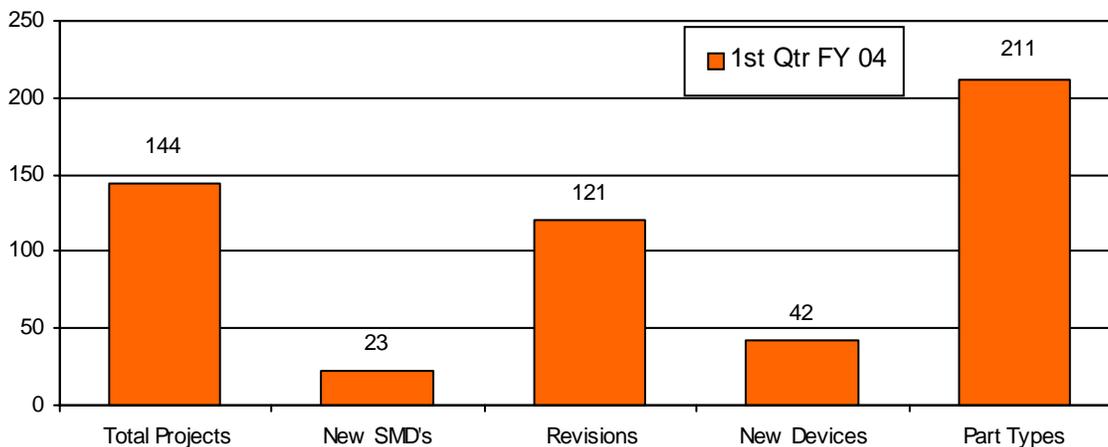


It's time for
an update

SMDs are a means to describe and subsequently procure microcircuits to MIL-PRF-38535 and MIL-PRF-38534 for military systems using a standardized drawing instead of a slash sheet. This program was started in 1986 by the Office of the Under Secretary of Defense with the help of industry.

The SMD program summary is shown in the chart below. The 1st quarter effort consisted of 107 projects containing 7 new SMDs, 33 new devices, and 220 new part types.

SMD STATISTICS
FY 2004



In **FY03**, there were **545** projects completed and **570** unique part types added to SMDs.

(Note: A project can add one or more part types)

All SMDs, except ASICs, are now available on the VA Internet site:
http://www.dscccols.com/offices/doc_control/

The 1st quarter statistics showed 107 standard microcircuit drawing projects being completed. There were 7 new documents created, of these, 1 document was for an Application Specific Integrated Circuits (ASICs), three linear device drawings, one Class V radiation hardened memory drawing . These are all monolithic microcircuits being supplied to MIL-PRF-38535 requirements. There were also 2 Class H Hybrid documents created during the first quarter that are being supplied to MIL-PRF-38534.



Standard parts provide a solid foundation for military systems.

1st Quarter SMD Statistics

Total number of SMDs	3,657*
ASIC/Custom SMDs	220
SMDs covering Dice	335
Device types on SMDs	7,717
Part types on SMDs	21,408
RHA part types on SMDs	4,293
Number of vendors on SMDs	62
Number of SMD reg. users	96
Number of SMDs on DSCC website	3,430



SMD parts provide lower risk, higher cost savings over non-standardized parts.

* Vendor Item Drawings have been included in this count since September 2002. These will now be separately reported.

DID YOU KNOW:

DSCC will be attending the Joint Electronic Devices Engineering Council (JEDEC) Meetings in Scottsdale, Arizona. Some current topics of interest are: Residual Gas Analysis (RGA), Enhanced Low Dose Rate Effects (ELDRs), Lead Free Solders and Marking for Ultrasensitive devices.

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