

# TI EVM control card –TMDSCNCD28388D Debug status

Expression	Type	Value	Address
Ethernet_rxBuffer	unsigned char[1538]	[4 '\x04',3 '\x03',2 '\x02',1 '\x01',6 '\x06'...]	0x2000C000
phyRegContent	unsigned short	28928	0x2000C770
pData	unsigned char[132]	[4 '\x04',3 '\x03',2 '\x02',1 '\x01',6 '\x06'...]	0x2000CB44
plnitCfg	struct <unnamed> *	0x2000C734 (linkSpeed=0 '\x00',linkMode=1 '\x01',totalNumMacAddrs=0 '\x00',loopbackMode=...	0x2000CC10
*(plnitCfg)	struct <unnamed>	{linkSpeed=0 '\x00',linkMode=1 '\x01',totalNumMacAddrs=0 '\x00',loopbackMode=0 '\x00',macAddr=...	0x2000C734
linkSpeed	unsigned char	0 '\x00'	0x2000C734
linkMode	unsigned char	1 '\x01'	0x2000C735
totalNumMacAddrs	unsigned char	0 '\x00'	0x2000C736
loopbackMode	unsigned char	0 '\x00'	0x2000C737
macAddr	struct <unnamed> *	0x00000000 (channelNum=0 '\x00',addr=[8 '\x08',0 '\x00',32 '',17 '\x11',21 '\x15'...])	0x2000C738
*(macAddr)	struct <unnamed>	{channelNum=0 '\x00',addr=[8 '\x08',0 '\x00',32 '',17 '\x11',21 '\x15'...]}	0x00000000
channelNum	unsigned char	0 '\x00'	0x00000000
addr	unsigned char[6]	[8 '\x08',0 '\x00',32 '',17 '\x11',21 '\x15'...]	0x00000001
[0]	unsigned char	8 '\x08'	0x00000001
[1]	unsigned char	0 '\x00'	0x00000002
[2]	unsigned char	32 ''	0x00000003
[3]	unsigned char	17 '\x11'	0x00000004
[4]	unsigned char	21 '\x15'	0x00000005
[5]	unsigned char	0 '\x00'	0x00000006
emacSSConfig	struct <unnamed>	{phyIntfSel=0 '\x00',LoopBackModeClkSel=0 '\x00',clkSrcSel=0 '\x00',flowControlEn=...	0x2000C73C
phyIntfSel	unsigned char	0 '\x00'	0x2000C73C
LoopBackModeClkSel	unsigned char	0 '\x00'	0x2000C73D
clkSrcSel	unsigned char	0 '\x00'	0x2000C73E
flowControlEn	unsigned char	0 '\x00'	0x2000C73F
priorityRatio	unsigned char	0 '\x00'	0x2000C740
transmitArbitrationAlgorithm	unsigned char	0 '\x00'	0x2000C741
dmaArbitrationScheme	unsigned char	0 '\x00'	0x2000C742
txSchedulingAlgoritm	unsigned char	3 '\x03'	0x2000C743
receiveArbitrationAlgorithm	unsigned char	0 '\x00'	0x2000C744
macFilterConfig	struct <unnamed>	{promiscuousMode=0,hashUnicast=0,hashMulticast=0,dalverseFilter=0,passAllMulticast=...	0x2000C748
promiscuousMode	unsigned int : 1	0	0x2000C748 bit 0
hashUnicast	unsigned int : 1	0	0x2000C748 bit 1
hashMulticast	unsigned int : 1	0	0x2000C748 bit 2
dalverseFilter	unsigned int : 1	0	0x2000C748 bit 3
passAllMulticast	unsigned int : 1	0	0x2000C748 bit 4
disableBroadCastPackets	unsigned int : 1	0	0x2000C748 bit 5
passControlPackets	unsigned int : 2	0	0x2000C748 bit 6-7
salverseFilter	unsigned int : 1	0	0x2000C748 bit 8
saFilterEnable	unsigned int : 1	0	0x2000C748 bit 9
hashPerfectFilter	unsigned int : 1	0	0x2000C748 bit 10
reserved1	unsigned int : 5	0	0x2000C748 bit 11-15
vlanFilterEnable	unsigned int : 1	0	0x2000C748 bit 16
reserved2	unsigned int : 3	0	0x2000C748 bit 17-19
l3L4FilterEnable	unsigned int : 1	0	0x2000C748 bit 20
dropNonTCP	unsigned int : 1	0	0x2000C748 bit 21
reserved3	unsigned int : 9	0	0x2000C748 bit 22-30
receiveAll	unsigned int : 1	0	0x2000C748 bit 31
noofPacketsRxBuffer	unsigned int	2	0x2000C74C
maxPacketLengthRxBuffer	unsigned int	1538	0x2000C750
chInfo	struct <unnamed> [2][2]	{[chNum=0,chDir=0,numBD=8,bufSize=0,enableSplitHeader=0...],[chNum=1,chDir=0,numBD=...],...	0x2000C754
[0]	struct <unnamed> [2]	{[chNum=0,chDir=0,numBD=8,bufSize=0,enableSplitHeader=0...],[chNum=1,chDir=0,numBD=...]}	0x2000C754
[1]	struct <unnamed> [2]	{[chNum=0,chDir=1,numBD=8,bufSize=0,enableSplitHeader=0...],[chNum=1,chDir=1,numBD=...]}	0x2000C7B4
numChannels	unsigned int	2	0x2000C814
pktMTU	unsigned int	1538	0x2000C818
dmaMode	struct <unnamed>	{SoftwareReset=0,TxRxArbitration=0,TransmitArbitration=0,Reserved4=0,DescriptorPostedWrite=...	0x2000C81C
SoftwareReset	unsigned int : 1	0	0x2000C81C bit 0
TxRxArbitration	unsigned int : 1	0	0x2000C81C bit 1
TransmitArbitration	unsigned int : 3	0	0x2000C81C bit 2-4

Reserved4	unsigned int : 3	0	0x2000C81C bit 5-7
DescriptorPostedWrite	unsigned int : 1	0	0x2000C81C bit 8
Reserved3	unsigned int : 2	0	0x2000C81C bit 9-10
TransmitPriority	unsigned int : 1	0	0x2000C81C bit 11
PriorityRatio	unsigned int : 3	0	0x2000C81C bit 12-14
Reserved2	unsigned int : 1	0	0x2000C81C bit 15
InterruptMode	unsigned int : 2	1	0x2000C81C bit 16-17
Reserved1	unsigned int : 14	0	0x2000C81C bit 18-31
pBuf	void *	0x00000000	0x2000C820
(pBuf)	unknown	cannot load from non-primitive location	
rxBuffer	unsigned char *	0x2000C000 ^{004\003\002\001\006\005\004\003\002\001...}	0x2000C824
(rxBuffer)	unsigned char	4 '\x04'	0x2000C000
pfcbRxPacket	Ethernet_Pkt_Desc_T* (*)(unkn...	0x002026E9	0x2000C828
pfcbGetPacket	Ethernet_Pkt_Desc_T* (*)()	0x0020213D	0x2000C82C
pfcbFreePacket	void (*)(unknown**,Ethernet_P...	0x00202701	0x2000C830
pfcbDeletePackets	void (*)()	0x00000000	0x2000C834
pfcbLPIPacketReceived	void (*)(<unnamed>,unknown*)	0x00000000	0x2000C838
stats	struct <unnamed>	{txOctetCountGoodBad=0,txPacketCountGoodBad=0,txBroadcastPacketsGood=0,txMulticastPacketsGoo...	0x2000CA60
txOctetCountGoodBad	unsigned int	0	0x2000CA60
txPacketCountGoodBad	unsigned int	0	0x2000CA64
txBroadcastPacketsGood	unsigned int	0	0x2000CA68
txMulticastPacketsGood	unsigned int	0	0x2000CA6C
tx64OctetsPacketsGood	unsigned int	0	0x2000CA70
tx65to127OctetsPacketsGood	unsigned int	0	0x2000CA74
tx128to255OctetsPacketsGood	unsigned int	0	0x2000CA78
tx256to511OctetsPacketsGood	unsigned int	0	0x2000CA7C
tx512to1023OctetsPacketsGood	unsigned int	0	0x2000CA80
tx1024toMaxOctetsPacketsGood	unsigned int	0	0x2000CA84
txUnicastPacketsGoodBad	unsigned int	0	0x2000CA88
txMulticastPacketsGoodBad	unsigned int	0	0x2000CA8C
txBroadcastPacketsGoodBad	unsigned int	0	0x2000CA90
txUnderFlowErrorPackets	unsigned int	0	0x2000CA94
txSingleCollisionGoodPackets	unsigned int	0	0x2000CA98
txMultipleCollisionGoodPackets	unsigned int	0	0x2000CA9C
txDeferredPackets	unsigned int	0	0x2000CAA0
txLateCollisionPackets	unsigned int	0	0x2000CAA4
txExcessiveCollisionPackets	unsigned int	0	0x2000CAA8
txCarrierErrorPackets	unsigned int	0	0x2000CAAC
txOctetCountGood	unsigned int	0	0x2000CAB0
txPacketCountGood	unsigned int	0	0x2000CAB4
txExcessiveDeferralError	unsigned int	0	0x2000CAB8
txPausePackets	unsigned int	0	0x2000CABC
txVLANPacketsGood	unsigned int	0	0x2000CAC0
txOSizePacketsGood	unsigned int	0	0x2000CAC4
reserved_1	unsigned int	0	0x2000CAC8
rxPacketsCountGoodBad	unsigned int	0	0x2000CACC
rxOctetCountGoodBad	unsigned int	0	0x2000CAD0
rxOctetCountGood	unsigned int	0	0x2000CAD4
rxBroadcastPacketsGood	unsigned int	0	0x2000CAD8
rxMulticastPacketsGood	unsigned int	0	0x2000CADC
rxCRCErrorPackets	unsigned int	0	0x2000CAE0
rxAlignmentErrorPackets	unsigned int	0	0x2000CAE4
rxRuntErrorPackets	unsigned int	0	0x2000CAE8
rxJabberErrorPackets	unsigned int	0	0x2000CAEC
rxUnderSizePacketsGood	unsigned int	0	0x2000CAF0
rxOverSizePacketsGood	unsigned int	0	0x2000CAF4
rx64OctetsPacketsGoodBad	unsigned int	0	0x2000CAF8
rx65to127OctetsPacketsGoodBad	unsigned int	0	0x2000CAFC

rx128to255OctetsPacketsGoodBac	unsigned int	0	0x2000CB00
rx256to511OctetsPacketsGoodBac	unsigned int	0	0x2000CB04
rx512to1023OctetsPacketsGoodBac	unsigned int	0	0x2000CB08
rx1024toMaxOctetsPacketsGoodBac	unsigned int	0	0x2000CB0C
rxUnicastPacketsGood	unsigned int	0	0x2000CB10
rxLengthErrorPackets	unsigned int	0	0x2000CB14
rxOutOfRangeTypePackets	unsigned int	0	0x2000CB18
rxPausePackets	unsigned int	0	0x2000CB1C
rxFIFOOverFlowPackets	unsigned int	0	0x2000CB20
rxVLANPacketsGoodBad	unsigned int	0	0x2000CB24
rxWatchDogErrorPackets	unsigned int	0	0x2000CB28
rxReceiveErrorPackets	unsigned int	0	0x2000CB2C
rxControlPacketsGood	unsigned int	0	0x2000CB30
txLPIUseCounter	unsigned int	0	0x2000CB34
txLPITranCounter	unsigned int	0	0x2000CB38
rxLPIUseCounter	unsigned int	0	0x2000CB3C
rxLPITranCounter	unsigned int	0	0x2000CB40
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